

**Birth and Death Statistics
by Local Health Authority
1983**

Alberta

BIRTH AND DEATH STATISTICS

BY LOCAL HEALTH AUTHORITY

1983

Division Support Branch
Health Services Division
Social Services & Community Health

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TABLE OF CONTENTS

INTRODUCTION

Chapter 1.

LIVE BIRTHS, 1983

Female population, ages 10 - 49

Live births

Birth order

Birthweight

Live births to single mothers

Live births to teenage mothers

Live births to single teenage mothers

Infant deaths

1.1
1.3
1.7
1.10
1.12
1.17
1.20
1.23

Chapter 2.

MALE DEATHS, 1983

Male population, all ages

All - causes

All - cancer

Colon cancer

Lung cancer

Diabetes mellitus

Ischemic heart disease

Cerebrovascular disease

Pneumonia

Chronic obstructive lung disease

Liver cirrhosis

2.1
2.3
2.7
2.11
2.15
2.19
2.23
2.27
2.31
2.35
2.39



TABLE OF CONTENTS

Chapter 2.	<u>MALE DEATHS, 1983 (cont'd)</u>	
	Congenital anomaly	2.43
	Motor vehicle accidents	2.47
	Suicide	2.51
Chapter 3.	<u>FEMALE DEATHS, 1983</u>	
	Female population, all ages	3.1
	All - causes	3.3
	All - cancer	3.7
	Colon cancer	3.11
	Lung cancer	3.15
	Diabetes mellitus	3.19
	Ischemic heart disease	3.23
	Cerebrovascular disease	3.27
	Pneumonia	3.31
	Chronic obstructive lung disease	3.35
	Liver cirrhosis	3.39
	Congenital anomaly	3.43
	Motor vehicle accidents	3.47
	Suicide	3.51
	Female breast cancer	3.55

Appendix A

Appendix B



INTRODUCTION

This volume contains live birth¹ and death statistics and related indices for Alberta, 1983, disaggregated by Local Health Authority (LHA). The tables and figures which follow provide an overview of natality and mortality in this province from the perspective of individual LHAs, at least to the extent that this is possible from vital statistics. It is hoped that this information will prove useful to those involved in planning at both the LHA and provincial levels.

By considering births and deaths on an LHA basis, this report acknowledges the differences that exist from one area of the province to another. It is not always possible to offer an explanation as to why such variation exists, and no attempt has been made in this volume to provide one. Any explanation would need to be based on a comprehensive understanding of the various demographic and socio-economic characteristics of the LHAs, and this knowledge is most readily available at the local level.

This report is closely related to the recently published A Perspective on the Health of Albertans². In the latter publication natality and mortality are considered, but the emphasis is on comparing the Alberta experience with that of Canada as a whole. Taken together the two volumes provide a continuum of comparison, stretching from the LHA to the whole country. As need arises in the area of long range planning, it is anticipated that additional reports will be forthcoming which deal with themes other than the traditional ones of natality and mortality.

¹ The term live birth is used instead of simply birth since stillbirth statistics are not being considered.

² Division Support Branch, Alberta Social Services and Community Health, 1984. A Perspective on the Health of Albertans. Edmonton: Alberta Social Services and Community Health.

The report is divided into three chapters, dealing with births, deaths in the male population, and deaths in the female population, respectively. Before proceeding to a general discussion of the chapter contents, a few remarks will be made concerning the statistics upon which this report is based.

BIRTH AND DEATH STATISTICS

All the birth and death statistics used in the preparation of this report originated with Alberta Vital Statistics. A proper interpretation of the tables and figures in the pages that follow requires an understanding of some of the features of the Alberta Vital Statistics registration and reporting system. As each birth or death is registered, Alberta Vital Statistics assigns the vital event to an LHA on the basis of the registrant's place of usual residence, provided, of course, that the individual involved is an Albertan. This may or may not be the LHA where the vital event took place.

Alberta Vital Statistics also registers births and deaths involving residents of other provinces and countries, but these will not be considered here. By the same token, if a resident of Alberta gives birth or dies while outside this province, the registration will not be known to Alberta Vital Statistics. This results in a small degree of undercounting with respect to vital events involving Albertans; however the shortfall is not large (approximately 470 births (1%) and 241 deaths (2%) in 1982³).

The single exception to the above method of reporting has to do with residents of certain Indian reservations. Because of a special arrangement between the neighbouring LHAs and Alberta Vital Statistics, births and deaths involving residents of these reservations are not assigned to the LHA in question, but rather given their own identifier⁴. This makes it impossible to assign

³ Statistics Canada, 1984. Vital Statistics: Volume 1, Birth and Deaths, 1982. Ottawa: Minister of Supply and Services Canada. Catalogue Number 84-204.

⁴ Division Support Branch, Alberta Social Services and Community Health, 1983. A Study of the Methods of Reporting Vital Statistics and Communicable Diseases by Local Health Authority. (unpublished document)

these vital events to an LHA without going back to the original registrations. Consequently these statistics have been excluded from the present report. However, data from Alberta Vital Statistics indicate that the resulting undercounting is small (approximately 70 births (0.15%) and 32 deaths (0.25%) in 1983).

Alberta Vital Statistics publishes an Annual Report containing, along with other information, birth and death statistics. In theory, the entries in the 1983 report should coincide exactly with those given here. However, certain discrepancies can be found. For example, Alberta Vital Statistics sets the total number of deaths (Alberta residents only) at 12,224, which is to be compared to 12,349 computed from tables 2.3 and 3.3 in this report. Other differences can be found for births and for different causes of death. The explanation is that the Alberta Vital Statistics system is a dynamic one, with registrations being updated, late registrations being filed, etc. Since this report was prepared over half a year after the 1983 annual report was assembled, it is to be expected that differences will exist. However, from the point of computing health indices these differences are not important. At the same time, this also means that the statistics used in the present report are actually going to be more accurate and complete than those going into the Alberta Vital Statistics Annual Report.

POPULATION ESTIMATES

A large part of this report is concerned with birth and death rates. To compute these it is necessary to have estimates of population size. Certain of the LHAs are included in a municipal census, and in these cases up-to-date enumerations are available. In order to have a uniform method applicable to all LHAs it was decided to estimate all 1983 LHA populations by projecting the LHA enumerations from the national census of 1981. The details of the method of projection are given in Appendix A.

SMALL AREA STATISTICS

The preceding sections dealt with some of the characteristics of the statistics that have been used in this report. A related consideration has to do with the problem of small area statistics⁵. This refers to the difficulties inherent in the analysis of statistics arising out of relatively sparsely populated areas. Because of the small numbers involved, indices computed from such statistics tend to be subject to random fluctuation. In the context of the present report, differences that appear to exist between one LHA and the next may be partly due to chance variation.

This concept may be troublesome to certain readers. They might argue, for example, that the number of deaths in an LHA is just that number and not one more or one less. Similarly the population of the LHA consists of a certain well-defined number of individuals. Shouldn't this mean that the computed death rate is equally precisely known, and that random fluctuation has nothing to do with it?

⁵ Diehr, R. 1984. Small area statistics: large statistical problems. American Journal of Public Health 70: 313 - 314.

If this is so, how do we account for the fact that death rates in areas with small populations frequently vary so erratically from year to year? Add to this the observation that death rates tend to fluctuate less in large populations. It is apparently a property of the way in which biological and other processes operate which results in larger populations having more stable rates. In technical terms, increasing the sample size results in a decrease in random variation. The approach to data analysis which takes account of these notions is the one adopted for this report. Consequently such concepts as 'confidence interval' and 'test of significance', to be discussed shortly, will play a central role in the presentation of findings.

CHAPTER CONTENTS

Each chapter begins with a description of the relevant population according to age group, and follows with a series of tables and figures dealing with either births or deaths. The latter are organized according to a definite format which will become apparent as the contents of the chapters are described. Within each chapter, pages are numbered consecutively. Tables and figures will be identified by referring to the corresponding page number.

Chapter 1. Live Births

Table 1.1 gives population estimates for females in the reproductive years (10-49) by five-year age groups, computed using the method described in Appendix A. Note that in this table the far right column gives the total number of females in each LHA, and that the bottom row gives the provincial total for each age group.

Table 1.2 is derived directly from table 1.1, and gives the percent of the population in each LHA falling in each of the age groups in the range 10-49. Due to rounding the row totals may not sum to 100.

Table 1.3 gives the number of live births by age group and LHA. Once again the totals for the LHAs and Alberta are provided.

Table 1.4 gives the age-specific live birth rates (per 1,000 females). These rates, sometimes called fertility rates, are defined by

$$\frac{\text{number of live births to women in age group}}{\text{number of women in age group}} \times 1,000 .$$

Although not shown, it is possible to assign confidence intervals to each of the rates in this table along the lines of table 1.5. The method of computation is described in Appendix B. Because of the small numbers involved in certain of the LHAs, the age-specific rates in this table would be expected to have rather wide confidence intervals. For this reason table 1.4 should be interpreted with caution, especially when LHAs are being compared.

Table 1.5 has a number of indices related to the age-standardized live birth rate. The technique of age-standardization is discussed in Appendix B. In the present case, rates have been standardized to the 1983 Alberta female population, ages 10 - 49. This means that each of the age-standardized rates appearing in the first column of the table (where they are referred to simply as rates) is the live birth rate that would have been observed in each LHA in 1983 if the age distribution of women in the reproductive years in the LHA had been precisely the same as that observed in Alberta as a whole. This adjustment for differing age distributions (see table 1.2) corrects for a potential source of artifactual error.

Associated with each of the (age-standardized) rates is a 95% confidence interval, with lower and upper limits shown in columns two and three. For details of the method of computation see Appendix B. These numbers bound the observed rate from below and above, respectively, and thereby

give a range of numbers which include the true underlying rate with 95% confidence. The observed rate is simply one manifestation of the true underlying rate, which cannot be known with 100% confidence because of random variation. This means that the true underlying rate could be as small as the lower bound or as large as the upper bound. Typically the larger the population in question the narrower will be the confidence interval. Because they measure the reliability of the observed rate, the lower and upper confidence limits should always be considered along with the rate.

In the fourth column the rates (excluding that for Alberta) have been ranked from 1 to 27, with 1 for the largest rate and 27 for the smallest.

The fifth column gives ratios, computed by dividing the rate for each LHA by the Alberta rate. This gives a measure of the relative magnitude of the rate for each LHA compared to Alberta as a whole. The ranks and ratios are simply different ways of looking at the rates in column one.

The final column records the results of statistically testing for a difference between the rate for each of the LHAs and the rate for Alberta. The principles involved are described in Appendix B. If the LHA rate was found to be larger than that for Alberta, and statistically significantly so, then a Yes was entered next to that LHA. If the LHA rate was observed to be less than the Alberta rate, or larger but not statistically significantly larger, then a dot was entered instead. Another approach to statistical testing would have involved looking for significant departures of the LHA rates from the Alberta rate whether higher or lower, and not just higher as in this report. However this would have meant using a test with less sensitivity to detect higher than average LHA rates. Since these are the departures which tend to be of most interest (especially in the case of death rates) the present approach was adopted.

It is important to bear in mind that statistical significance is purely a property of numbers; as a concept it has no biological content. Consequently, even if two rates are determined to be different in a formal statistical sense, it is another matter as to whether or not they are different in a biological (or other) sense. This is a judgement to be made by the informed reader - it is outside the realm of statistical tests.

Figure 1.6 is a map of the LHAs with the ranks from table 1.5 inscribed. This provides a convenient method of searching for clusters of low or high ranks.

Tables 1.7 - 1.9 give the number of live births by order, where first order means the first live birth for the woman, etc.

Tables 1.10 - 1.11 give a breakdown of live births by weight category.

Tables 1.12 - 1.14 and figure 1.15 are similar in layout (and interpretation) to tables 1.3 - 1.5 and figure 1.6, except that here attention is restricted to live births to women who were single (that is, not legally married) at the time of birth.

Table 1.16 is computed directly from table 1.12 and gives the percent of the live births occurring in each age group. Due to rounding errors row totals may not equal 100.

Table 1.17 - 1.18 and figure 1.19 are, once again, formatted along the lines of tables 1.3 - 1.5 and figure 1.6, except that a single age group, the 15 - 19 year olds, is considered in detail. Consequently the age-specific and age-standardized rates coincide.

Table 1.20 - 1.21 and figure 1.22 consider live births to single teenagers.

Table 1.23 closes the chapter with a look at infant death rates, defined by

$$\frac{\text{number of deaths under 1 year of age}}{\text{number of live births}} \times 1,000 \quad .$$

Note that the rate is per 1,000 live births, not 1,000 females.

Chapters 2 and 3. Deaths

Chapters 2 and 3 deal with deaths in the male and female populations, respectively. The two chapters are identical in layout except that chapter 3 includes female breast cancer. The usual approach to presenting mortality data by age group uses five-year age groups in the range from 5 to 85. For technical reasons it was not possible to fit this many columns on a page, and so somewhat broader age groups were used. These have been defined by aggregating five-year age groups in such a way as to cover meaningful periods in the lifespan. For example, 5 - 14 for the school years, 15 - 24 for early adulthood, etc.

The age-specific male death rate (per 100,000 males) is defined by

$$\frac{\text{number of deaths to males in age group}}{\text{number of males in age group}} \times 100,000 \quad .$$

The female rate is defined similarly. The age-standardized death rates in chapters 2 and 3 have been standardized to the male and female populations of Alberta in 1983, respectively. So for each LHA, the male (female) age-standardized death rate for a given cause equals the death rate that would have been observed in that LHA if it had had the age distribution of males (females) in Alberta as a whole in 1983.

The format for chapters 2 and 3 is basically the same as that used in chapter 1. Following a description of the population by age group there is a series of four-page units, each dealing with a specific cause of death. Each unit is structured along the lines of tables 1.3 - 1.5 and figure 1.6 of chapter 1. Because there are far fewer deaths than live births per year, and because the deaths are spread out over both sexes and all age groups, the tables in chapters 2 and 3 are much sparser looking than those of chapter 1. As a result, the confidence intervals for the age-standardized death rates are generally quite wide. To an even greater degree this remark applies to confidence intervals for age-specific death rates (not shown). For this reason, death rates should be interpreted with considerable caution. When a confidence interval lower limit extended into the negative numbers it has been reported as such; another approach would have been to arbitrarily set it equal to 0. In certain cases several LHAs were found to have identical (age-standardized) rates. When this happened, ranks for these LHAs were assigned randomly rather than giving each of the LHAs involved the same intermediate rank. For the most part ties were due to several LHAs having no deaths due to a cause, and hence a rate of 0. Note that death rates are given per 100,000 males or females, whereas live birth rates are per 1,000 females.

The causes of death selected for study have been listed in the accompanying table along with the rubrics according to the International Classification of Diseases - ninth revision (ICD-9). The causes have been ordered in the table and in the chapters in ascending order of rubric number, except for female breast cancer which has been placed at the end of chapter 3. Because of this arrangement the tables and figures in chapters 2 and 3 correspond by page number.

Causes of death in chapters 2 and 3 with ICD-9 rubrics

Cause of Death	ICD-9 Rubrics
all - causes	1 - 999
all - cancer	140 - 208
colon cancer	153 - 154
lung cancer	162
female breast cancer	174
diabetes mellitus	250
ischemic heart disease	410 - 414
cerebrovascular disease	430 - 438
pneumonia	480 - 486
chronic obstructive lung disease	490 - 493, 496
liver cirrhosis	571
congenital anomaly	740 - 759
motor vehicle accidents	810 - 819
suicide	950 - 959

Chapter 1. BIRTHS

NUMBER IN POPULATION, FEMALES, 1963									
	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	2163	2437	2695	2212	1882	1703	1362	1252	15264
ALBERTA WEST CENTRAL	1746	1766	1973	2017	1678	1321	1040	882	12385
ATKABASCA	1482	1430	1162	1181	1046	895	698	616	8518
BANFF NATIONAL PARK	55	282	583	357	247	116	104	88	1754
BARKER-BURKEA-WARNER	1825	1792	1597	1666	1421	1285	1080	885	11381
BIG COUNTRY	522	536	492	485	448	361	297	279	3412
CALBARY	28681	25141	39652	37592	29262	22878	16488	14348	286154
CHINOOK	1878	1887	1699	1672	1400	1244	983	911	11666
DELMILLER	1427	1358	1243	1465	1266	1084	786	748	9361
EDMONTON	17368	23895	36185	33448	22836	18399	14749	13248	181582
FOOTHILLS	1328	1298	1253	1443	1418	1297	835	748	9684
FORT MCMURRAY	1537	1421	2222	2374	1823	1285	725	458	11837
HIGH LEVEL-FORT VERNILION	716	574	684	498	375	344	247	191	3541
JASPER NATIONAL PARK	98	165	299	228	134	95	99	88	1198
LESLIE-STRAITHCUNA	4984	4898	3585	5126	5893	4929	3921	2158	33714
LETHBRIDGE	1915	2475	3854	2791	2228	1813	1458	1384	17822
MEDICINE HAT	2875	3251	3835	3758	2922	2476	1824	1589	22522
MIDGUM-VERMILION	1447	1595	1633	1616	1335	1126	824	833	18489
MOUNT VERN	2477	2381	2648	3382	2858	2358	1692	1478	19284
NORTH EASTERN ALBERTA	2134	2141	1841	1794	1678	1511	1159	937	13195
PEACE RIVER	1878	1981	1748	1861	1459	1345	1044	921	12221
RED BEER	4233	5834	6199	5873	4515	3744	2958	2344	34892
SOUTH PEACE	2432	2597	3281	3254	2359	1913	1445	1154	18385
STONY PLAIN-LAC STE. ANNE	2788	2545	2648	3471	3175	2577	1659	1281	28876
STURGEON	4283	3797	3429	4613	4714	3939	2659	2834	29388
VERMILION	1219	1118	867	1137	1099	895	764	714	7885
WETOKA	1441	1661	1572	1711	1469	1285	978	911	11228
ALBERTA	86988	98582	129181	126681	188998	82388	61182	52288	737784

AGE DISTRIBUTIONS (IN %), FEMALES, 1963

	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
LNA	14	16	14	15	12	12	9	8
ALBERTA EAST CENTRAL	14	14	16	16	14	11	9	6
ALBERTA WEST CENTRAL	17	17	14	14	12	11	8	7
ATHABASCA	3	12	33	20	14	7	6	5
BANFF NATIONAL PARK	16	16	13	15	12	11	9	8
BARKIN-EUREKA-WARNER	15	16	14	14	13	11	9	8
BIG COUNTRY	10	12	19	10	14	11	6	7
CALGARY	16	15	15	14	13	11	8	8
CHINOOK	15	14	13	16	14	12	8	8
DRUMHELLER	10	13	21	10	13	10	8	7
EDMONTON	14	14	13	15	15	14	9	8
FOOTHILLS	13	12	19	20	15	11	6	4
FORT McMURRAY	20	16	17	14	11	10	7	5
HIGH LEVEL-FORT VERMILION	8	14	25	19	11	8	8	7
JASPER NATIONAL PARK	15	12	10	15	17	15	9	6
LEDUC-STRAITHCONA	11	15	10	16	13	11	9	8
LETHBRIDGE	13	14	17	17	13	11	8	7
MEDICINE HAT	14	15	16	16	13	11	8	8
MIDBURN-VERMILION	13	12	14	10	15	12	9	8
MOUNT VIEW	16	16	14	14	13	11	9	7
NORTH EASTERN ALBERTA	15	16	14	15	12	11	9	8
PEACE RIVER	12	14	10	17	13	11	8	7
RED DEER	13	14	17	10	13	10	8	6
SOUTH PEACE	14	13	13	17	16	13	8	6
STONY PLAIN-LAC STE. ANNE	14	13	12	16	16	13	9	7
STURGEON	16	14	11	15	14	11	10	9
VERREVILLE	15	15	14	15	13	11	9	8
WETOKA	12	13	10	17	14	11	8	7
ALBERTA								

LMA	NUMBER OF LIVE BIRTHS, 1903							TOTAL
	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
ALBERTA EAST CENTRAL	0	65	390	351	135	20	5	0
ALBERTA WEST CENTRAL	0	81	344	204	104	25	5	0
ATHABASCA	2	95	232	171	86	19	6	0
BAFF NATIONAL PARK	0	0	10	36	23	5	0	0
BARONS-CURIELA-WURNER	0	64	261	315	134	37	5	0
BIG COUNTRY	0	16	82	87	28	0	1	0
CALBARY	5	635	3246	4719	2514	549	59	3
CHINOOK	0	126	324	267	105	39	12	0
DRUMHELLER	2	61	201	217	83	25	1	0
EDMONTON	3	861	3395	6195	2009	514	55	2
FOOTHILLS	0	24	182	221	104	23	6	0
FORT MCMURRAY	2	96	324	329	114	41	4	0
HIGH LEVEL-FORT VERRILLION	0	63	150	105	40	21	10	1
JASPER NATIONAL PARK	0	10	26	23	16	5	0	0
LEBUC-STRAITCOWA	1	79	403	682	411	82	6	2
LETHBRIDGE	1	72	306	355	160	33	4	0
MEDICINE HAT	0	117	522	545	176	49	6	1
MUSKUM-VERMILLION	0	30	163	163	53	21	0	0
MOUNT VERN	0	66	392	537	252	66	6	0
NORTH EASTERN ALBERTA	2	146	405	303	119	35	13	0
PEACE RIVER	1	134	344	252	106	29	3	1
RED BEER	3	176	806	821	320	59	6	0
SOUTH PEACE	1	114	464	439	168	36	4	0
STONY PLAIN-LAC STE. ANNE	0	117	437	548	226	58	4	0
STURGEON	0	112	519	669	394	83	9	0
VERREVILLE	0	26	153	162	69	20	4	0
WETONA	2	00	204	249	104	29	2	0
ALBERTA	25	3466	14469	17045	8053	1951	236	10

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 FEMALES), 1963

	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
LMA								
ALBERTA EAST CENTRAL	0.0	26.7	190.0	150.7	71.7	15.7	3.7	9.0
ALBERTA WEST CENTRAL	0.0	45.3	174.4	140.0	62.0	10.9	4.7	0.0
ATHABASCA	1.3	66.4	199.7	144.0	82.2	21.2	0.6	0.0
BANFF NATIONAL PARK	0.0	0.0	30.9	100.0	93.1	42.4	0.0	0.0
BARONS-EUREKA-HARNER	0.0	35.7	173.2	109.1	94.3	20.0	5.0	0.0
BIG COUNTRY	0.0	29.9	146.7	179.4	63.6	22.2	3.4	0.0
CALGARY	0.2	25.3	81.9	125.5	85.9	24.9	3.5	0.2
CHINOOK	0.0	69.7	190.7	159.7	70.9	31.4	12.2	0.0
DRUMHELLER	1.4	45.2	161.7	140.1	65.6	23.1	1.3	0.0
EDMONTON	0.2	36.0	89.1	127.0	80.0	27.9	3.7	0.2
FOOTHILLS	0.0	10.5	145.3	153.2	73.0	17.7	7.2	0.0
FORT MCMURRAY	1.3	67.6	145.0	130.6	62.5	31.9	5.5	0.0
HIGH LEVEL-FORT VERTILION	0.0	109.0	261.6	214.3	106.7	61.0	40.5	5.2
JASPER NATIONAL PARK	0.0	60.6	87.0	100.9	119.4	52.6	0.0	0.0
LEUC-STRAITHCOWA	0.2	19.3	115.0	133.0	69.7	16.6	2.0	0.9
LETHBRIDGE	0.5	29.1	100.2	127.2	72.1	18.2	2.0	0.0
MEDICINE HAT	0.0	36.0	136.1	145.3	60.2	19.0	3.3	0.6
MINDURN-VERMILION	0.0	10.0	99.0	100.9	39.7	10.7	0.0	0.0
MOUNT VERN	0.0	27.7	146.9	150.0	60.2	20.0	3.5	0.0
NORTH EASTERN ALBERTA	0.9	60.2	220.0	160.9	70.9	23.2	11.2	0.0
PEACE RIVER	0.5	67.6	197.7	135.4	72.7	21.6	2.9	1.1
RED DEER	0.7	35.0	142.9	139.0	70.9	15.0	2.0	0.0
SOUTH PEACE	0.4	43.9	145.0	134.9	71.2	10.0	2.0	0.0
STONY PLAIN-LAC STE. ANNE	0.0	46.0	163.0	157.9	71.2	19.4	2.4	0.0
STURGEON	0.0	29.5	151.4	145.0	83.6	21.1	3.4	0.0
VEGREVILLE	0.0	23.4	176.5	142.5	62.0	22.3	5.2	0.0
WETOKA	1.2	40.2	100.7	145.5	70.0	22.6	2.0	0.0
ALBERTA	0.3	35.2	112.1	134.6	79.7	23.7	3.9	0.2

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 FEMALES), 1983						
LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	75.9	71.1	80.7	7	1.24	YES
ALBERTA WEST CENTRAL	71.7	66.9	76.6	12	1.17	YES
ATHABASCA	83.2	76.5	89.8	5	1.36	YES
BANFF NATIONAL PARK	48.2	31.1	49.3	27	0.66	.
BARONS-EUREKA-WARNER	84.1	78.3	89.9	4	1.37	YES
BIG COUNTRY	75.4	65.4	85.4	9	1.23	YES
CALGARY	54.1	53.1	55.1	25	0.88	.
CHINOOK	84.3	78.7	89.9	3	1.38	YES
DRUMHELLER	71.6	65.8	77.4	13	1.17	YES
EDMONTON	57.7	56.6	58.8	22	0.94	.
FOOTHILLS	66.8	61.3	72.4	17	1.09	YES
FORT MCMURRAY	71.1	66.4	75.7	14	1.16	YES
HIGH LEVEL-FORT VERRILLION	122.3	110.2	134.5	1	2.00	YES
JASPER NATIONAL PARK	62.8	48.7	77.0	21	1.02	.
LEDUC-STRAITHCONA	57.2	54.3	60.0	23	0.93	.
LETHBRIDGE	55.4	51.9	59.0	24	0.90	.
MEDICINE HAT	64.3	61.0	67.7	20	1.05	YES
REDDELMAN-VERMILION	44.8	40.6	49.0	26	0.73	.
MOUNT VERN	72.2	68.2	76.1	11	1.18	YES
NORTH EASTERN ALBERTA	89.9	84.4	95.5	2	1.47	YES
PEACE RIVER	79.6	74.3	84.9	6	1.30	YES
RED BEAR	65.4	62.7	68.1	19	1.07	YES
SOUTH PEACE	66.5	62.8	70.2	18	1.08	YES
STONY PLAIN-LAC STE. ANNE	74.0	70.1	78.0	10	1.21	YES
STURGEON	69.4	66.1	72.7	16	1.13	YES
VERMILION	70.0	63.3	76.7	15	1.14	YES
WETOKA	75.5	70.1	81.0	8	1.23	YES
ALBERTA	61.3	60.0	61.9			

Alberta
CANADA

**HEALTH UNITS
LOCAL BOARDS OF HEALTH
1990**

1 HIGH LEVEL-PORT VERMILION

2 NORTH EASTERN ALBERTA

3 CHINOOK

4 BARONS, SUREKA, MARKER

5 ATHABASCA

6 PEACE RIVER

7 ALBERTA EAST CENTRAL

8 MEDOKA

9 BIG COUNTRY

10 STONY PLAIN

11 MOUNT VERN

12 ALBERTA WEST CENTRAL

13 DRUMHELLER

14 FORT McMURRAY

15 VERMILION

16 STURGEON

17 FOOTHILLS

18 SOUTH PEACE

19 RED DEER

20 MEDICINE HAT

21 JASPER

22 EDMONTON

23 LEDUC-STRAVINCINA

24 LETHBRIDGE

25 CALGARY

26 KIMBERLY VERMILION

27 BANFF

Alberta
CANADA

**HEALTH UNITS
LOCAL BOARDS OF HEALTH
1999**

NUMBER OF FIRST ORDER LIVE BIRTHS, 1903

LHA	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	40	205	91	21	2	0	0	367
ALBERTA WEST CENTRAL	0	64	155	90	17	3	1	0	330
ATHABASCA	2	67	86	43	8	3	2	0	211
BANFF NATIONAL PARK	0	0	16	27	14	2	0	0	59
BARONS-EUREKA-WARNER	0	46	119	83	20	5	0	0	273
BIG COUNTRY	0	12	39	16	3	1	0	0	71
CALGARY	4	506	1966	2104	855	147	11	0	5673
CHINOOK	0	101	141	57	13	2	0	0	314
BRUNNELLER	1	48	90	61	16	2	0	0	210
EDMONTON	3	697	1906	1884	630	113	9	1	5323
FOOTHILLS	0	21	99	71	28	3	1	0	223
PORT MCMURRAY	2	82	167	133	26	13	1	0	424
HIGH LEVEL-FORT VERTULION	0	41	49	20	2	0	0	0	112
JASPER NATIONAL PARK	0	0	13	10	6	1	0	0	30
LEBUC-STRAITHCOMA	1	71	216	261	99	11	1	1	661
LETHBRIDGE	1	56	171	150	37	4	0	0	419
MEDICINE HAT	0	97	257	170	30	8	2	1	565
MIDLAND-VERTULION	0	27	83	48	6	3	0	0	167
MOUNT VERN	0	55	178	197	65	11	2	0	508
NORTH EASTERN ALBERTA	2	115	192	85	24	5	2	0	425
PEACE RIVER	1	94	153	71	19	4	0	0	342
RED DEER	3	143	454	280	74	14	2	0	970
SOUTH PEACE	1	81	227	136	35	5	1	0	406
STONY PLAIN-LAC STE. ANNE	0	90	206	176	56	8	2	0	530
STURGEON	0	95	260	241	82	10	3	0	691
VERREVILLE	0	23	76	41	13	2	0	0	155
WETOKA	0	57	136	80	16	3	0	0	292
ALBERTA	21	2745	7740	6706	2215	385	40	3	19055

NUMBER OF SECOND ORDER LIVE BIRTHS, 1963											
LHA	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL		
ALBERTA EAST CENTRAL	0	16	151	140	43	5	1	0	356		
ALBERTA WEST CENTRAL	0	13	137	95	37	5	0	0	287		
ATHABASCA	0	24	94	51	17	3	1	0	190		
BAUFF NATIONAL PARK	0	0	2	5	9	1	0	0	17		
BARONS-EUREKA-WARNER	0	14	100	97	25	5	1	0	242		
BIG COUNTRY	0	4	30	34	5	0	1	0	74		
CALGARY	1	119	907	1752	971	179	15	0	4024		
CHINOOK	0	10	120	85	22	4	0	0	249		
DRUMHELLER	1	11	78	80	28	2	0	0	200		
EDMONTON	0	148	1078	1531	777	173	17	0	3724		
FOOTHILLS	0	3	65	85	37	7	1	0	198		
FORT MCMURRAY	0	14	116	131	39	12	2	0	314		
HIGH LEVEL-FORT VERMILION	0	20	53	24	5	1	0	0	103		
JASPER NATIONAL PARK	0	2	11	7	6	1	0	0	27		
LEDUC-STRATHCONA	0	0	155	234	171	27	1	0	596		
LETHBRIDGE	0	14	99	122	56	11	0	0	302		
MEDICINE HAT	0	20	205	213	61	0	0	0	507		
MIDBURN-VERMILION	0	3	62	57	16	1	0	0	139		
MOUNT VIEW	0	10	167	217	101	15	1	0	511		
NORTH EASTERN ALBERTA	0	24	144	82	34	2	2	0	288		
PEACE RIVER	0	36	124	91	27	2	1	0	281		
RED DEER	0	31	342	313	112	19	1	0	818		
SOUTH PEACE	0	33	174	150	54	5	1	0	417		
STONY PLAIN-LAC STE. ANNE	0	21	158	206	77	7	0	0	449		
STURGEON	0	15	185	238	138	25	2	0	603		
VEGREVILLE	0	3	60	54	17	7	0	0	143		
WETOKA	2	19	91	69	29	6	0	0	216		
ALBERTA	4	643	4988	6165	2914	533	48	0	15295		

LHA	NUMBER OF THIRD OR HIGHER ORDER LIVE BIRTHS, 1963								TOTAL
	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	
ALBERTA EAST CENTRAL	0	0	41	120	71	21	4	0	257
ALBERTA WEST CENTRAL	0	3	51	99	50	17	4	0	224
ATHABASCA	0	4	52	77	61	13	3	0	210
BANFF NATIONAL PARK	0	0	0	4	0	2	0	0	6
BARONS-EUREKA-WARNER	0	4	42	134	89	27	4	0	300
BIG COUNTRY	0	0	13	37	20	7	0	0	77
CALGARY	0	9	207	781	606	241	33	3	2042
CHINOOK	0	7	63	125	70	33	12	0	310
BRUNNELLER	0	1	32	76	39	21	1	0	170
EDMONTON	0	14	330	776	601	220	29	1	1979
FOOTHILLS	0	0	10	65	39	13	4	0	139
FORT MCMURRAY	0	0	41	65	49	16	1	0	172
HIGH LEVEL-FORT VERNILION	0	2	54	61	33	20	10	1	101
JASPER NATIONAL PARK	0	0	2	6	4	3	0	0	15
LEDUC-STRAITHCOMA	0	0	32	105	139	44	4	1	405
LETHBRIDGE	0	2	34	83	67	10	4	0	210
MEDICINE HAT	0	0	59	162	85	33	3	0	342
MIDBURN-VERMILION	0	0	10	50	31	17	0	0	124
MOUNT VIEW	0	1	47	123	85	39	3	0	290
NORTH EASTERN ALBERTA	0	7	69	136	60	20	9	0	309
PEACE RIVER	0	3	64	90	60	23	2	1	245
RED DEER	0	2	90	220	134	26	3	0	403
SOUTH PEACE	0	0	62	153	79	26	2	0	322
STONY PLAIN-LAC STE. ANNE	0	6	70	164	93	35	2	0	370
STURGEON	0	2	74	190	172	40	4	0	490
VERMIVILLE	0	0	17	65	39	11	4	0	136
WETOKA	0	4	56	100	59	19	2	0	240
ALBERTA	0	71	1722	4163	2917	1029	147	7	10056

NUMBER OF LIVE BIRTHS IN HEIGHT (GRAHS) CATEGORIES, 1963

LHA	<1.000	1.000-1.499	1.500-1.999	2.000-2.499	2.500-2.999	3.000-4.499	4.500+	TOTAL
ALBERTA EAST CENTRAL	4	3	6	28	137	797	7	962
ALBERTA WEST CENTRAL	2	5	9	25	136	655	11	843
ATHABASCA	3	2	6	22	106	454	18	611
BANFF NATIONAL PARK	0	3	0	6	16	56	1	82
BARONS-EUREKA-WARNER	0	1	6	31	111	653	14	816
BIG COUNTRY	0	1	3	7	25	183	3	222
CALGARY	35	60	150	463	2188	8700	154	11750
CHINOOK	2	4	0	29	126	676	28	873
DRUMHELLER	4	2	3	17	86	465	13	590
EDMONTON	40	71	135	463	1846	8320	159	11034
FOOTHILLS	1	3	4	20	103	424	5	560
FORT MCMURRAY	2	3	13	26	120	728	18	918
HIGH LEVEL-FORT VERNILION	0	2	5	15	64	302	10	398
JASPER NATIONAL PARK	0	1	0	3	14	56	6	80
LEDUC-STRATHCONA	4	6	16	60	244	1389	27	1666
LETHBRIDGE	1	4	0	40	143	722	13	931
MEDICINE HAT	3	7	13	49	211	1121	12	1416
KIMBURN-VERMILION	1	5	0	6	59	346	5	430
MOUNT VERN	2	11	14	37	203	1032	20	1319
NORTH EASTERN ALBERTA	1	4	21	29	145	795	28	1023
PEACE RIVER	0	5	5	28	137	674	21	870
RED DEER	12	9	22	70	360	1762	36	2271
SOUTH PEACE	4	3	14	41	158	989	17	1226
STONY PLAIN-LAC STE. ANNE	5	7	13	50	182	1100	25	1382
STURGEON	4	10	15	50	281	1375	43	1786
VEGREVILLE	0	1	6	6	44	365	12	434
WETOKA	0	5	7	26	106	580	18	750
ALBERTA	130	238	510	1655	7351	34647	724	45255

PERCENT OF LIVE BIRTHS IN HEIGHT (GRAMS) CATEGORIES, 1963									
LMA	<1,000	1,000-1,499	1,500-1,999	2,000-2,499	2,500-2,999	3,000-4,499	4,500+		
ALBERTA EAST CENTRAL	0.4	0.3	0.6	2.9	14.0	61.2	0.7		
ALBERTA WEST CENTRAL	0.2	0.6	1.1	3.0	16.1	77.7	1.3		
ATHABASCA	0.5	0.3	1.0	3.6	17.3	74.3	2.9		
BAFF NATIONAL PARK	0.0	3.7	0.0	7.3	19.5	60.3	1.2		
BARONS-EUREKA-WARNER	0.0	0.1	0.7	3.0	13.6	60.0	1.7		
BIG COUNTRY	0.0	0.5	1.4	3.2	11.3	62.4	1.4		
CALGARY	0.3	0.5	1.3	3.9	10.6	74.0	1.3		
CHIDROOK	0.2	0.5	0.9	3.3	14.4	77.4	3.2		
DRUMHELLER	0.7	0.3	0.5	2.9	14.6	78.0	2.2		
EDMONTON	0.4	0.6	1.2	4.2	16.7	75.4	1.4		
FOOTHILLS	0.2	0.5	0.7	3.6	10.4	75.7	0.9		
FORT MCMURRAY	0.2	0.3	1.4	2.9	13.2	60.0	2.0		
HIGH LEVEL-FORT VERNILION	0.0	0.5	1.3	3.0	16.1	75.9	2.5		
JASPER NATIONAL PARK	0.0	1.3	0.0	3.0	17.5	70.0	7.5		
LEBUC-STRAITCOWA	0.2	0.4	1.0	3.6	14.6	70.6	1.6		
LETHBRIDGE	0.1	0.4	0.9	4.3	15.4	77.6	1.4		
MEDICINE HAT	0.2	0.5	0.9	3.5	14.9	79.2	0.8		
MIDJOURN-VERMILION	0.2	1.2	1.9	1.4	13.7	80.5	1.2		
MOUNT VERN	0.2	0.0	1.1	2.0	15.4	70.2	1.5		
NORTH EASTERN ALBERTA	0.1	0.4	2.1	2.0	14.2	77.7	2.7		
PEACE RIVER	0.0	0.6	0.6	3.2	15.7	77.5	2.4		
RED DEER	0.5	0.4	1.0	3.1	15.9	77.6	1.6		
SOUTH PEACE	0.3	0.2	1.1	3.3	12.9	60.7	1.4		
STONY PLAIN-LAC STE. ANNE	0.4	0.5	0.9	3.6	13.2	79.6	1.0		
STURGEON	0.2	0.6	0.0	3.2	15.7	77.0	2.4		
VERREVILLE	0.0	0.2	1.4	1.4	10.1	64.1	2.0		
WETOKA	0.0	0.7	0.9	3.5	14.1	70.4	2.4		
ALBERTA	0.3	0.5	1.1	3.7	16.2	76.6	1.6		

LMA	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	TOTAL
ALBERTA EAST CENTRAL	0	20	27	0	7	0	0	0	62
ALBERTA WEST CENTRAL	0	30	49	20	9	1	0	0	117
ATHABASCA	1	64	75	33	13	2	1	0	109
BANFF NATIONAL PARK	0	0	3	4	1	0	0	0	0
BANNOCK-BUREKA-WALKER	0	20	0	7	1	1	0	0	37
BIG COUNTRY	0	6	4	0	1	0	0	0	11
CALGARY	4	349	531	271	136	31	6	0	1328
CHINOOK	0	01	77	36	15	2	0	0	211
DAWNBELLER	1	30	42	10	5	2	0	0	90
EDMONTON	2	522	675	314	140	57	7	0	1717
FOOTHILLS	0	13	17	9	5	1	0	0	45
FORT MCMURRAY	2	72	07	33	0	4	1	0	207
HIGH LEVEL-PORT VERNILION	0	43	50	17	4	0	1	0	115
JASPER NATIONAL PARK	0	6	2	4	3	1	0	0	16
LEDUC-STRAITHCOMA	1	43	30	10	6	1	0	1	100
LETHBRIDGE	1	40	31	24	0	2	0	0	106
MEDICINE HAT	0	57	44	23	3	4	1	1	133
MIDBURN-VERMILION	0	13	14	7	3	2	0	0	39
MOUNT VERN	0	37	51	19	13	7	1	0	120
NORTH EASTERN ALBERTA	2	95	104	39	19	2	3	0	244
PEACE RIVER	1	07	07	21	9	2	0	0	207
RED DEER	3	02	131	51	22	9	0	0	290
SOUTH PEACE	0	62	67	37	0	2	0	0	176
STONY PLAIN-LAC STE. ANNE	0	63	65	32	10	2	2	0	174
STURGEON	0	62	53	22	10	0	0	0	147
VEGREVILLE	0	12	12	1	3	1	0	0	29
WETOKA	1	49	67	24	12	2	1	0	156
ALBERTA	19	1946	2403	1004	474	130	24	2	6110

AGE-SPECIFIC LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1963

	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49
LNA	0.0	0.2	12.9	3.6	3.7	0.0	0.0	0.0
ALBERTA EAST CENTRAL	0.0	21.3	24.0	9.9	5.4	0.0	0.0	0.0
ALBERTA WEST CENTRAL	0.7	44.0	64.5	27.9	12.4	2.2	1.4	0.0
ATLASASCA	0.0	0.0	5.1	11.2	4.0	0.0	0.0	0.0
BANFF NATIONAL PARK	0.0	11.2	5.3	4.2	0.7	0.0	0.0	0.0
BARKIN-CURIELA-WARNER	0.0	11.2	0.1	0.0	2.3	0.0	0.0	0.0
BIS COUNTRY	0.2	13.9	13.4	7.2	4.6	1.4	0.4	0.0
CALBARY	0.0	44.0	45.3	21.5	10.1	1.6	0.0	0.0
CHINOOK	0.7	22.2	33.0	6.0	3.9	1.0	0.0	0.0
BRUNNELLER	0.1	21.0	17.7	9.5	6.1	3.1	0.5	0.0
EDMONTON	0.0	10.0	13.6	6.2	3.5	0.0	0.0	0.0
FOOTHILLS	1.3	50.7	39.2	13.9	4.4	3.1	1.4	0.0
FORT MCLELLAN	0.0	74.9	62.0	34.7	10.7	0.0	4.0	0.0
HIGH LEVEL-FORT VERRILLION	0.0	36.4	6.7	17.5	22.4	10.5	0.0	0.0
JASPER NATIONAL PARK	0.2	10.5	0.6	3.5	1.0	0.2	0.0	0.5
LEBUC-STRAITHCOMA	0.5	16.2	10.2	0.6	3.6	1.1	0.0	0.0
LETHBRIDGE	0.0	17.5	11.5	6.1	1.0	1.6	0.5	0.6
MEDICINE HAT	0.0	0.2	0.6	4.3	2.2	1.0	0.0	0.0
KIDSBURN-VERRELLION	0.0	15.5	19.1	5.6	4.5	3.0	0.6	0.0
MOUNT VIEW	0.9	44.4	54.5	21.7	11.3	1.3	2.6	0.0
NORTH EASTERN ALBERTA	0.5	43.9	50.0	11.3	6.2	1.5	0.0	0.0
PEACE RIVER	0.7	16.3	21.1	0.7	4.9	2.4	0.0	0.0
RED BEAR	0.0	23.9	20.9	11.4	3.4	1.0	0.0	0.0
SOUTH PEACE	0.0	24.0	24.4	9.2	3.1	0.0	1.2	0.0
STONY PLAIN-LAC STE. ANNE	0.0	16.3	15.5	4.0	2.1	0.0	0.0	0.0
STURGEON	0.0	10.0	13.0	0.9	2.7	1.1	0.0	0.0
VERREVILLE	0.6	29.5	42.6	14.0	0.2	1.6	1.0	0.0
METUKA	0.2	20.0	10.6	0.6	4.7	1.7	0.4	0.0
ALBERTA	0.2	20.0	10.6	0.6	4.7	1.7	0.4	0.0

AGE-STANDARDIZED LIVE BIRTH RATES (PER 1,000 SINGLE MOTHERS), 1983

LNA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4.5	3.3	5.6	21	0.54	.
ALBERTA WEST CENTRAL	9.7	7.9	11.5	11	1.17	.
ATHABASCA	24.2	20.7	27.7	2	2.92	YES
BANFF NATIONAL PARK	3.4	1.0	5.0	25	0.41	.
BARONS-EUREKA-WARNER	3.3	2.2	4.4	26	0.40	.
BIG COUNTRY	3.2	1.3	5.2	27	0.39	.
CALGARY	6.3	5.9	6.6	16	0.76	.
CHINOOK	19.2	16.6	21.8	4	2.31	YES
DRUMHELLER	10.9	8.6	13.2	9	1.31	YES
EDMONTON	8.9	8.5	9.3	13	1.07	YES
FOOTHILLS	5.4	3.0	6.9	20	0.65	.
FORT MCMURRAY	17.2	14.9	19.6	6	2.07	YES
HIGH LEVEL-FORT VERMILION	32.2	26.3	38.2	1	3.08	YES
JASPER NATIONAL PARK	13.3	6.7	19.9	8	1.60	.
LEDUC-STRAITHCORN	3.7	3.0	4.5	24	0.45	.
LETHBRIDGE	6.1	4.9	7.2	17	0.73	.
MEDICINE HAT	5.0	4.0	6.0	19	0.70	.
MINIBURN-VERMILION	3.0	2.6	5.0	23	0.46	.
MOUNT VIEW	7.4	6.1	8.7	15	0.89	.
NORTH EASTERN ALBERTA	21.6	18.9	24.2	3	2.60	YES
PEACE RIVER	17.6	15.2	20.1	5	2.12	YES
RED DEER	8.4	7.4	9.3	14	1.01	.
SOUTH PEACE	9.4	8.0	10.8	12	1.13	.
STONY PLAIN-LAC STE. ANNE	9.8	8.3	11.2	10	1.10	YES
STURGEON	6.0	5.0	7.0	18	0.72	.
VERREVILLE	4.5	2.0	6.2	22	0.54	.
WETOKA	15.3	12.0	17.7	7	1.04	YES
ALBERTA	8.3	6.1	8.5			

LIVE BIRTHS TO SINGLE MOTHERS, 1983



PERCENT OF LIVE BIRTHS TO SINGLE MOTHERS, 1963

	10-14	15-19	20-24	25-29	30-34	35-39	40-44	45-49	50-54
LVA									
ALBERTA EAST CENTRAL	0.0	36.6	6.8	2.3	5.2	0.0	0.0	0.0	6.3
ALBERTA WEST CENTRAL	0.0	46.9	14.2	7.0	0.7	4.0	0.0	0.0	13.9
ATHABASCA	56.0	67.4	32.3	19.3	15.1	10.5	16.7	0.0	30.9
BANFF NATIONAL PARK	0.0	0.0	16.7	11.1	4.3	0.0	0.0	0.0	9.6
BARKER-CURIELA-MURDER	0.0	31.3	3.1	2.2	0.7	2.7	0.0	0.0	4.5
BIG COUNTRY	0.0	37.5	4.9	0.0	3.6	0.0	0.0	0.0	5.0
CALBARY	80.0	55.0	16.4	5.7	5.4	5.4	10.2	0.0	11.3
CHINOOK	0.0	64.3	23.0	13.5	14.3	5.1	0.0	0.0	24.2
DRUMHELLER	50.0	49.2	20.9	4.6	6.0	0.0	0.0	0.0	15.3
EDMONTON	64.7	60.6	19.9	7.5	7.0	11.1	12.7	0.0	15.6
FOOTHILLS	0.0	54.2	9.3	4.1	4.0	4.3	0.0	0.0	8.0
FORT MCMURRAY	100.0	75.0	26.9	10.0	7.0	9.0	25.0	0.0	22.7
HIGH LEVEL-FORT VERNILION	0.0	60.3	31.6	16.2	10.0	0.0	10.0	0.0	20.9
JASPER NATIONAL PARK	0.0	60.0	7.7	17.4	10.0	20.0	0.0	0.0	20.0
LEUC-STRAITHCOMA	100.0	54.4	7.4	2.6	1.5	1.2	0.0	50.0	6.0
LETHBRIDGE	100.0	55.6	10.1	6.0	5.0	6.1	0.0	0.0	11.4
MEDICINE HAT	0.0	40.7	0.4	4.2	1.7	0.2	16.7	0.0	9.4
MIDBURN-VERMILION	0.0	43.3	0.6	4.3	5.7	9.5	0.0	0.0	9.1
MOUNT VERNILION	0.0	56.1	13.0	3.5	5.2	10.6	16.7	0.0	9.7
NORTH EASTERN ALBERTA	100.0	65.1	25.7	12.9	16.0	5.7	23.1	0.0	25.0
PEACE RIVER	100.0	64.9	25.3	0.3	0.5	6.9	0.0	0.0	23.0
RED DEER	100.0	46.6	14.0	6.2	6.9	15.3	0.0	0.0	13.1
SOUTH PEACE	0.0	54.4	14.4	0.4	4.0	5.6	0.0	0.0	14.4
STONY PLAIN-LAC STE. ANNE	0.0	53.0	14.9	5.0	4.4	4.0	50.0	0.0	12.6
STURGEON	0.0	55.4	10.2	3.3	2.5	0.0	0.0	0.0	0.2
VERREVILLE	0.0	46.2	7.0	0.6	4.3	5.0	0.0	0.0	6.7
WETOKA	50.0	61.3	23.6	9.6	11.5	6.9	50.0	0.0	20.0
ALBERTA	76.0	56.7	16.6	6.4	5.9	7.1	10.2	20.0	13.5

NUMBER OF TEENAGE (15-19) LIVE BIRTHS, 1983

LHA	NUMBER
ALBERTA EAST CENTRAL	65
ALBERTA WEST CENTRAL	81
ATHABASCA	95
BANFF NATIONAL PARK	0
BARONS-EUREKA-WARNER	64
BIG COUNTRY	16
CALGARY	635
CHINOOK	126
DRUMHELLER	61
EDMONTON	861
FOOTHILLS	24
FORT MCMURRAY	96
HIGH LEVEL-FORT VERMILION	63
JASPER NATIONAL PARK	10
LEDUC-STRAITHCONA	79
LETHBRIDGE	72
MEDICINE HAT	117
MIDBURN-VERMILION	30
MOUNT VIEW	66
NORTH EASTERN ALBERTA	146
PEACE RIVER	134
RED DEER	176
SOUTH PEACE	114
STONY PLAIN-LAC STE. ANNE	117
STURGEON	112
VEGREVILLE	26
WETOKA	80
ALBERTA	3466

TEENAGE (15-19) LIVE BIRTH RATES (PER 1,000 FEMALES), 1963

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	26.7	20.2	33.2	21	0.76	.
ALBERTA WEST CENTRAL	45.3	35.4	55.2	10	1.29	YES
ATHABASCA	66.4	53.1	79.6	6	1.89	YES
BANFF NATIONAL PARK	0.0	0.0	0.0	27	0.00	.
BARONS-EUREKA-WARNER	35.7	27.0	44.5	15	1.01	.
BIG COUNTRY	29.9	15.2	44.5	17	0.85	.
CALGARY	25.3	23.3	27.2	22	0.72	.
CHINOOK	69.7	57.6	81.9	2	1.96	YES
DRUMHELLER	45.2	33.6	56.5	11	1.26	YES
EDMONTON	36.0	33.6	38.4	13	1.02	.
FOOTHILLS	18.5	11.1	25.9	26	0.53	.
FORT MCMURRAY	67.6	54.0	81.1	4	1.92	YES
HIGH LEVEL-FORT VERMILION	109.6	82.7	136.9	1	3.12	YES
JASPER NATIONAL PARK	60.6	23.0	98.2	7	1.72	.
LEDUC-STRAITHCONA	19.3	15.0	23.5	24	0.55	.
LETHBRIDGE	29.1	22.4	35.6	19	0.63	.
MEDICINE HAT	36.0	29.5	42.5	14	1.02	.
MINIBURN-VERMILION	18.6	12.1	25.5	25	0.53	.
MOUNT VIEW	27.7	21.0	34.4	20	0.79	.
NORTH EASTERN ALBERTA	68.2	57.1	79.3	3	1.94	YES
PEACE RIVER	67.6	56.2	79.1	5	1.92	YES
RED DEER	35.0	29.6	40.1	16	0.99	.
SOUTH PEACE	43.9	35.6	52.0	12	1.25	YES
STONY PLAIN-LAC STE. ANNE	46.0	37.6	54.3	9	1.31	YES
STURGEON	29.5	24.0	35.0	18	0.64	.
VEGREVILLE	23.4	14.4	32.4	23	0.66	.
WETOKA	46.2	37.6	58.7	8	1.37	YES
ALBERTA	35.2	34.0	36.4			

TEENAGE LIVE BIRTHS, 1983



NUMBER OF LIVE BIRTHS TO SINGLE TEENAGE (15-19) MOTHERS, 1983

LHA	NUMBER
ALBERTA EAST CENTRAL	20
ALBERTA WEST CENTRAL	38
ATHABASCA	64
BANFF NATIONAL PARK	0
BARONS-EUREKA-WARNER	20
BIG COUNTRY	6
CALGARY	349
CHINOOK	81
DRUMHELLER	30
EDMONTON	522
FOOTHILLS	13
FORT MCMURRAY	72
HIGH LEVEL-FORT VERMILION	43
JASPER NATIONAL PARK	6
LEDUC-STRATHCONA	43
LETHBRIDGE	40
MEDICINE HAT	57
MIRNURN-VERMILION	13
MOUNT VIEW	37
NORTH EASTERN ALBERTA	95
PEACE RIVER	87
RED DEER	82
SOUTH PEACE	62
STONY PLAIN-LAC STE. ANNE	63
STURGEON	62
VEGREVILLE	12
METOKA	49
ALBERTA	1966

LIVE BIRTH RATES (PER 1,000 SINGLE TEENAGE MOTHERS), 1983							
LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG	
ALBERTA EAST CENTRAL	8.2	4.6	11.8	25	0.41	.	
ALBERTA WEST CENTRAL	21.3	14.5	28.0	13	1.07	.	
ATHABASCA	44.8	33.8	55.7	3	2.24	YES	
BANFF NATIONAL PARK	0.0	0.0	0.0	27	0.00	.	
BARONS-EUREKA-WARNER	11.2	6.3	16.1	20	0.56	.	
BIG COUNTRY	11.2	2.2	20.2	21	0.56	.	
CALGARY	13.9	12.4	15.3	19	0.70	.	
CHINOOK	44.0	35.1	54.6	4	2.24	YES	
DRUMHELLER	22.2	14.3	30.2	11	1.11	.	
EDMONTON	21.8	20.0	23.7	12	1.09	YES	
FOOTHILLS	10.0	4.6	15.5	24	0.50	.	
FORT MCMURRAY	50.7	39.0	62.4	2	2.54	YES	
HIGH LEVEL-FORT VERMILION	74.9	52.5	97.3	1	3.75	YES	
JASPER NATIONAL PARK	36.4	7.3	65.5	7	1.82	.	
LEDUC-STRATHCONA	10.5	7.4	13.6	23	0.53	.	
LETHBRIDGE	16.2	11.2	21.2	17	0.81	.	
MEDICINE HAT	17.5	13.0	22.1	14	0.88	.	
MIDBURN-VERMILION	8.2	3.7	12.6	26	0.41	.	
MOUNT VERN	15.5	10.5	20.5	18	0.78	.	
NORTH EASTERN ALBERTA	44.4	35.4	53.3	5	2.22	YES	
PEACE RIVER	43.9	34.7	53.1	6	2.20	YES	
RED DEER	16.3	12.6	19.8	15	0.82	.	
SOUTH PEACE	23.9	17.9	29.8	10	1.20	.	
STONY PLAIN-LAC STE. ANNE	24.0	18.6	30.9	9	1.24	.	
STURGEON	16.3	12.3	20.4	16	0.82	.	
VEGREVILLE	10.8	4.7	16.9	22	0.54	.	
WETOKA	29.5	21.2	37.8	8	1.48	YES	
ALBERTA	20.0	19.1	20.8				

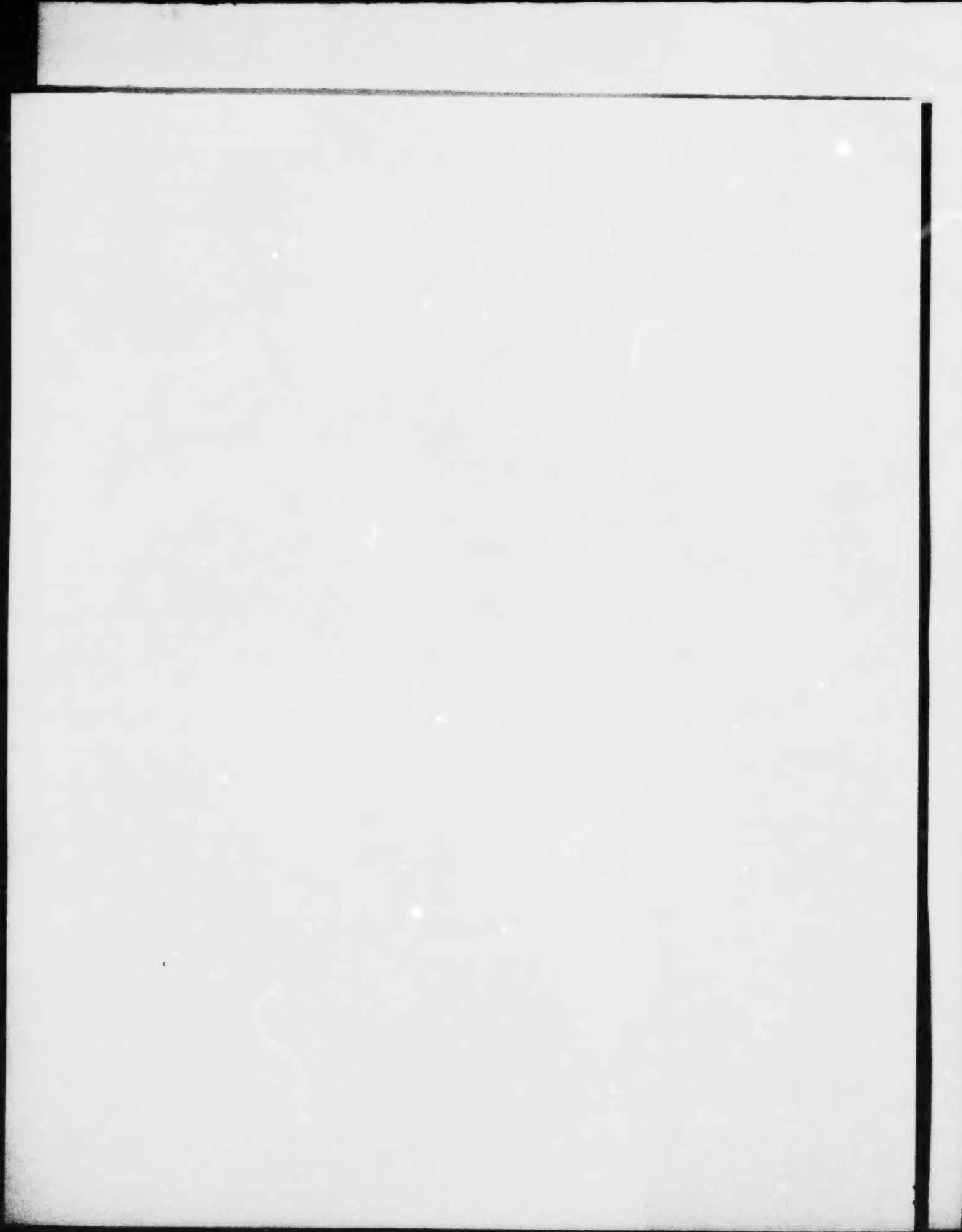
LIVE BIRTHS TO SINGLE TEENAGE MOTHERS, 1983



NUMBER OF INFANT DEATHS AND INFANT DEATH RATES (PER 1,000 LIVE BIRTHS), 1963

LHA	NUMBER	RATE
ALBERTA EAST CENTRAL	9	9.16
ALBERTA WEST CENTRAL	9	10.68
ATHABASCA	6	9.82
BANFF NATIONAL PARK	1	12.20
BARONS-EUREKA-WARNER	6	7.35
BIG COUNTRY	3	13.51
CALGARY	73	6.21
CHINOOK	7	8.02
DRUMHELLER	7	11.86
EDMONTON	110	9.97
FOOTHILLS	4	7.14
FORT MCMURRAY	3	3.30
HIGH LEVEL-FORT VERMILION	5	12.56
JASPER NATIONAL PARK	1	12.50
LEDUC-STRATHCONA	8	4.80
LETHBRIDGE	8	8.59
MEDICINE HAT	9	6.36
MIDBURN-VERMILION	8	18.60
MOUNT VERN	11	8.34
NORTH EASTERN ALBERTA	9	8.80
PEACE RIVER	4	4.60
RED DEER	26	11.45
SOUTH PEACE	7	5.71
STONY PLAIN-LAC STE. ANNE	12	8.68
STURGEON	15	8.48
VEGRIEVILLE	4	9.22
WETOKA	7	9.33
ALBERTA	372	8.22

Chapter 2. DEATHS – MALES



NUMBER IN POPULATION, MALES, 1903											
LMA	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	466	1885	4548	4938	4324	3269	2720	2764	2208	1344	28466
ALBERTA WEST CENTRAL	306	1734	3668	4251	4224	2693	1900	1145	599	363	20971
ATHABASCA	266	1235	3235	2648	2330	1787	1418	1048	719	480	15166
BANFF NATIONAL PARK	25	75	171	688	768	292	206	151	78	37	2491
BARONS-EUREKA-WARNER	396	1656	3844	3905	3246	2468	1909	1614	1072	678	20780
BIG COUNTRY	128	468	1020	1180	1094	708	656	796	391	251	6684
CALGARY	4978	19821	42602	67881	76422	42111	29066	19489	9913	5623	317106
CHINOOK	436	1695	3862	3868	3363	2434	1849	1711	1390	907	21515
DRUMHELLER	291	1173	2965	3193	3009	2099	1524	1507	1052	651	17464
EDMONTON	4627	16464	35611	63114	63779	33698	26903	20081	10949	6172	281398
FOOTHILLS	276	1157	2924	2695	3002	2342	1584	1340	979	571	16870
FORT MCMURRAY	406	1583	3493	3706	4931	2652	1090	440	135	53	18489
HIGH LEVEL-FORT VERNILION	188	754	1566	1209	1011	698	454	243	161	69	6345
JASPER NATIONAL PARK	25	85	201	461	536	201	217	112	47	32	1917
LEDUC-STRAITHCONA	917	4152	10759	8947	10499	8972	4620	2697	1388	763	53706
LETHBRIDGE	451	1779	3925	5163	5185	3125	2623	2379	1791	1216	27637
MEDICINE HAT	717	2773	6194	7481	7281	4391	3421	3209	2187	1131	38785
MINIBURN-VERMILION	351	1360	3025	3783	3288	2162	1739	1679	1198	779	19356
MOUNT VERN	607	2518	5575	5591	6663	4530	3084	2108	1318	731	32717
NORTH EASTERN ALBERTA	446	1905	4449	4341	3622	2950	2056	1669	1140	790	23368
PEACE RIVER	416	1615	3989	4179	3506	2524	2078	1441	948	683	21379
RED BEER	1023	4015	8890	11727	11371	6900	5023	4032	2651	1499	57131
SOUTH PEACE	642	2512	5236	6414	6296	3818	2495	1859	1084	720	31076
STONY PLAIN-LAC STE. ANNE	697	2772	6290	5574	6986	4944	2808	2059	1156	539	33825
STURGEON	917	3859	9223	8122	9234	7426	4499	2919	1724	1136	49059
VEGREVILLE	246	966	2373	2379	2223	1856	1560	1653	1422	950	15628
WETONA	391	1498	3459	3558	3212	2360	1888	1754	1308	832	20260
ALBERTA	20699	80781	183097	240996	251397	153402	109398	81899	49000	29000	1199589

AGE DISTRIBUTIONS (IN %), MALES, 1983										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LHA	2	7	16	17	15	11	10	10	8	5
ALBERTA EAST CENTRAL	2	8	17	20	20	13	9	5	3	2
ALBERTA WEST CENTRAL	2	8	21	17	15	12	9	7	5	3
ATHABASCA	1	3	7	28	31	12	8	6	3	1
BANFF NATIONAL PARK	2	8	18	19	16	12	9	8	5	3
BARONS-EUREKA-WARNER	2	7	15	18	16	11	10	12	6	4
BIG COUNTRY	2	6	13	21	24	13	9	6	3	2
CALGARY	2	8	18	18	16	11	9	8	6	4
CHINOOK	2	7	17	18	17	12	9	9	6	4
DRUMHELLER	2	6	13	22	23	12	10	7	4	2
EDMONTON	2	7	17	16	18	14	9	8	6	3
FOOTHILLS	2	9	19	20	27	14	6	2	1	0
FORT MCMURRAY	3	12	25	19	16	11	7	4	3	1
HIGH LEVEL-FORT VERMILION	1	4	10	24	28	10	11	6	2	2
JASPER NATIONAL PARK	2	8	20	17	20	17	9	5	3	1
LEDUC-STRATHCONA	2	6	14	19	19	11	9	9	6	4
LETHBRIDGE	2	7	16	19	19	11	9	8	6	3
MEDICINE HAT	2	7	16	20	17	11	9	9	6	4
MIDBURN-VERMILION	2	8	17	17	20	14	9	6	4	2
MOUNT VIEW	2	8	19	19	15	13	9	7	5	3
NORTH EASTERN ALBERTA	2	8	19	20	16	12	10	7	4	3
PEACE RIVER	2	7	16	21	20	12	9	7	5	3
RED DEER	2	8	17	21	20	12	8	6	3	2
SOUTH PEACE	2	8	19	16	21	15	8	6	3	2
STONY PLAIN-LAC STE. ANNE	2	8	19	17	19	15	9	6	4	2
STURGEON	2	6	15	15	14	12	10	11	9	6
VEGREVILLE	2	7	17	18	16	12	9	9	6	4
WETOKA	2	7	15	20	21	13	9	7	4	2
ALBERTA	2	7	15	20	21	13	9	7	4	2

NUMBER OF DEATHS, 1983

MALES

	ALL-CAUSES										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	7	3	1	4	7	7	11	35	53	162	290
ALBERTA EAST CENTRAL	5	1	0	0	0	6	7	18	15	33	101
ALBERTA WEST CENTRAL	3	1	3	11	6	7	7	20	19	50	127
ATHABASCA	0	0	0	1	2	0	1	0	1	2	7
BAFF NATIONAL PARK	6	0	1	2	3	4	5	15	24	47	107
BARONS-EUREKA-WARNER	3	1	0	1	0	0	2	6	12	27	52
BIG COUNTRY	25	5	13	50	70	67	149	250	331	500	1574
CHINOOK	5	1	1	0	6	3	7	25	37	83	176
DRUMHELLER	3	1	0	6	3	6	4	13	30	50	116
EDMONTON	50	12	11	57	74	00	166	299	347	621	1733
FOOTHILLS	1	1	1	2	0	4	10	14	24	53	110
FORT MCKURRAY	0	0	0	6	5	0	0	6	7	4	44
HIGH LEVEL-FORT VERMILION	4	0	0	4	3	1	3	3	5	8	31
JASPER NATIONAL PARK	0	0	1	0	0	0	1	4	3	4	13
LEDUC-STRATHCONA	4	1	5	16	12	0	20	28	54	69	217
LETHBRIDGE	4	1	1	4	9	0	11	39	51	120	256
MEDICINE HAT	4	5	2	20	9	11	13	39	67	104	276
MIDBURN-VERMILION	4	1	0	6	2	3	6	12	29	76	139
MOUNT VERN	0	2	1	11	7	7	9	24	32	57	158
NORTH EASTERN ALBERTA	2	3	0	10	11	5	11	15	39	69	165
PEACE RIVER	4	1	0	5	7	7	10	19	20	70	151
RED BEAR	12	3	2	22	16	7	31	55	77	133	350
SOUTH PEACE	3	1	4	9	0	0	15	23	36	77	176
STONY PLAIN-LAC STE. ANNE	3	1	1	15	17	13	19	33	46	54	202
STURGEON	11	4	3	7	10	0	19	32	50	89	233
VERMOREL	3	0	0	0	1	3	6	19	50	87	177
WETOKA	2	3	1	12	10	5	13	23	40	89	190
ALBERTA	166	52	52	313	314	294	564	1069	1507	2044	7195

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

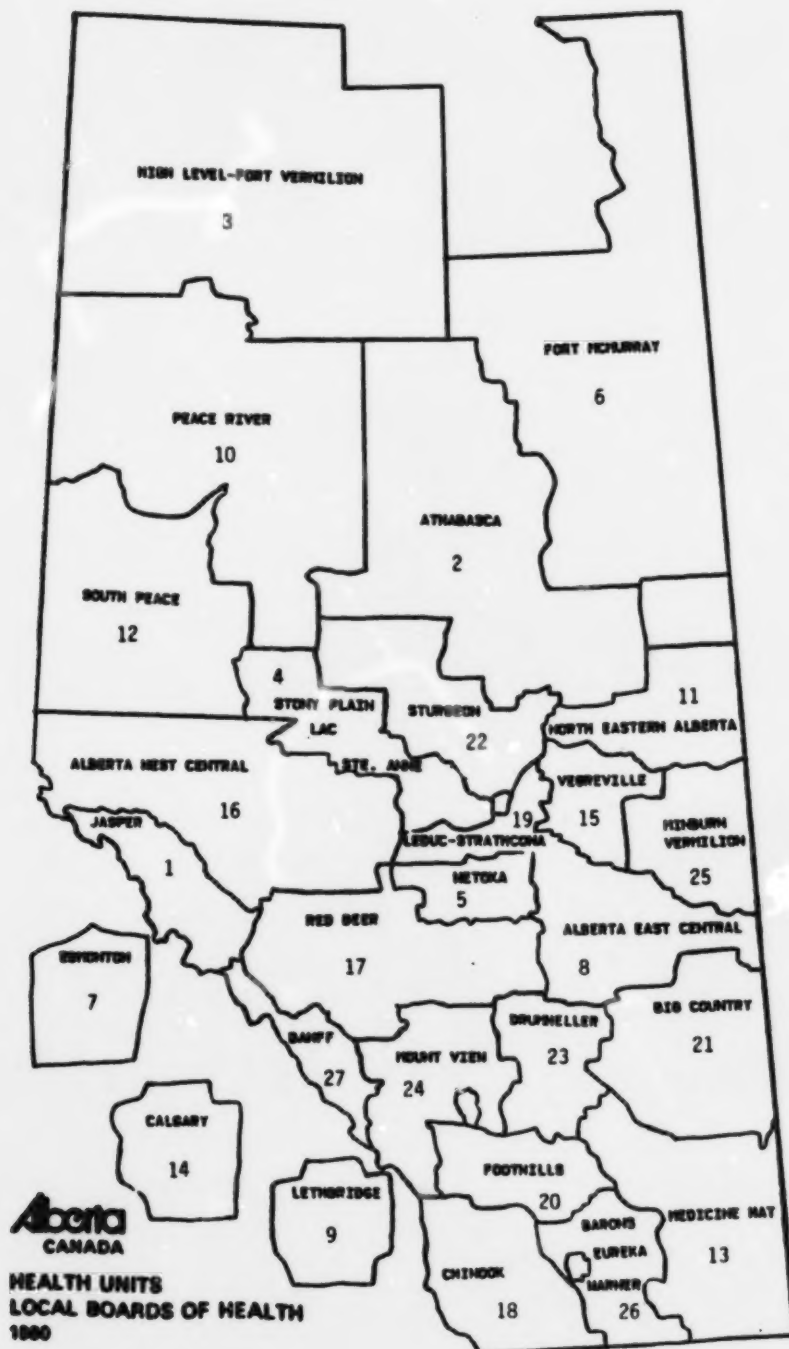
ALL-CAUSES

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	1502	159	22	81	162	214	404	1266	2400	12054
ALBERTA WEST CENTRAL	1295	50	0	100	109	223	367	1572	2504	9091
ATHABASCA	1120	81	93	415	250	392	494	1908	2643	10417
BAUFF NATIONAL PARK	0	0	0	145	260	0	485	0	1282	5405
BARONS-EUREKA-HARNER	1515	0	26	51	92	163	262	929	2239	6932
BIG COUNTRY	2500	214	0	85	0	0	305	754	3069	10757
CALGARY	502	26	31	85	102	159	513	1283	3339	10635
CHINOOK	1147	59	26	207	170	123	379	1461	2662	9151
DRUMHELLER	1031	85	0	100	100	206	262	863	2852	7680
EDMONTON	1254	73	31	90	116	261	617	1489	3169	10062
FOOTHILLS	362	86	34	74	266	171	631	1045	2451	9282
FORT MCMURRAY	0	0	0	162	101	302	734	1364	5185	7547
HIGH LEVEL-FORT VERNILION	2222	0	0	331	297	143	661	1235	3106	11594
JASPER NATIONAL PARK	0	0	496	0	0	0	461	3571	6383	12500
LEDUC-STRAITHCONA	436	24	46	179	114	89	433	1036	3913	9043
LETHBRIDGE	607	56	25	77	174	256	419	1639	2048	10526
MEDICINE HAT	837	180	32	267	124	251	380	1215	3064	9195
KINBURN-VERMILION	1140	74	0	159	61	139	345	715	2421	9756
MOUNT VERN	1318	80	18	197	105	155	292	1139	2428	7798
NORTH EASTERN ALBERTA	440	157	0	230	304	169	535	899	3421	8734
PEACE RIVER	962	62	0	120	200	277	481	1319	2954	10249
RED DEER	1173	75	22	188	141	101	617	1364	2905	8873
SOUTH PEACE	467	40	76	140	0	210	601	1237	3321	10694
STONY PLAIN-LAC STE. ANNE	430	36	16	269	243	263	677	1603	3979	10019
STURGEON	1200	104	33	86	108	108	422	1096	2900	7835
VEGREVILLE	1220	0	0	336	45	162	385	1149	3516	9158
METOKA	512	200	29	337	311	212	689	1311	3058	10697
ALBERTA	899	64	28	130	125	192	516	1305	3076	9807

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LWA	ALL-CAUSES			RANK	RATIO	SIG
	RATE	LOWER	UPPER			
ALBERTA EAST CENTRAL	630	554	707	8	1.05	.
ALBERTA WEST CENTRAL	595	478	712	16	0.99	.
ATHABASCA	762	627	896	2	1.27	YES
BANFF NATIONAL PARK	311	66	556	27	0.52	.
BARONS-EUREKA-WARNER	427	345	509	26	0.71	.
BIG COUNTRY	539	390	688	21	0.90	.
CALGARY	602	572	632	14	1.00	.
CHINOOK	587	496	677	18	0.98	.
DRUMHELLER	504	410	596	23	0.84	.
EDMONTON	630	608	668	7	1.06	YES
FOOTHILLS	563	460	667	20	0.94	.
FORT MCMURRAY	647	390	904	6	1.08	.
HIGH LEVEL-FORT VERNILION	737	462	1012	3	1.23	.
JASPER NATIONAL PARK	925	414	1435	1	1.54	.
LEDUC-STRAITHCONA	576	498	655	19	0.96	.
LETHBRIDGE	629	549	706	9	1.05	.
MEDICINE HAT	608	536	681	13	1.01	.
MINSBURN-VERMILION	502	416	588	25	0.84	.
MOUNT VIEW	504	425	583	24	0.84	.
NORTH EASTERN ALBERTA	611	516	706	11	1.02	.
PEACE RIVER	624	524	725	10	1.04	.
RED DEER	591	530	653	17	0.99	.
SOUTH PEACE	611	520	701	12	1.02	.
STONY P'AIN-LAC STE. ANNE	727	625	828	4	1.21	YES
STURGEON	508	442	573	22	0.85	.
VEGREVILLE	597	500	694	15	1.00	.
WETOKA	723	618	828	5	1.21	YES
ALBERTA	600	586	614			

ALL-CAUSES, MALES, 1983



NUMBER OF DEATHS, 1963

MALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	1	0	0	0	1	4	9	13	25	53
ALBERTA EAST CENTRAL	0	0	0	0	0	2	1	5	5	7	20
ALBERTA WEST CENTRAL	0	0	1	1	0	1	1	6	8	11	29
ATNABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	2	6	8	9	25
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	2	3	5	10
BIG COUNTRY	0	2	2	4	3	12	39	76	90	128	356
CALGARY	0	0	0	0	0	0	4	6	9	15	34
CHINOOK	0	0	0	0	0	1	0	4	4	9	18
DRUMHELLER	0	1	5	6	5	12	42	85	101	130	367
EDMONTON	0	0	0	0	3	1	5	3	4	11	27
FOOTMILLS	0	0	0	0	1	1	2	2	1	1	8
FORT MCMURRAY	0	0	0	0	0	0	1	3	1	0	5
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	1	2	0	1	4
JASPER NATIONAL PARK	0	0	1	1	1	2	5	4	17	10	41
LEDUC-STRAITHCONA	0	0	0	2	1	1	3	9	13	20	49
LETHBRIDGE	0	0	0	0	0	2	4	17	15	15	53
MEDICINE HAT	0	0	0	0	0	0	1	3	6	10	20
MIDBURN-VERMILION	0	0	1	0	0	1	1	4	9	10	26
MOUNT VIEN	0	0	0	0	0	0	5	0	13	17	35
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	7	13	16	38
PEACE RIVER	0	2	0	1	1	1	12	14	27	23	81
RED DEER	0	0	0	0	0	2	4	7	10	15	38
SOUTH PEACE	0	0	0	1	1	2	7	9	12	10	42
STONY PLAIN-LAC STE. ANNE	0	0	0	1	1	0	1	9	16	24	52
STURGEON	0	0	0	0	0	0	3	7	16	14	40
VEGREVILLE	0	0	1	0	0	0	2	6	10	22	41
METOKA	0	6	11	17	18	42	151	305	424	558	1532
ALBERTA	0	6	11	17	18	42	151	305	424	558	1532

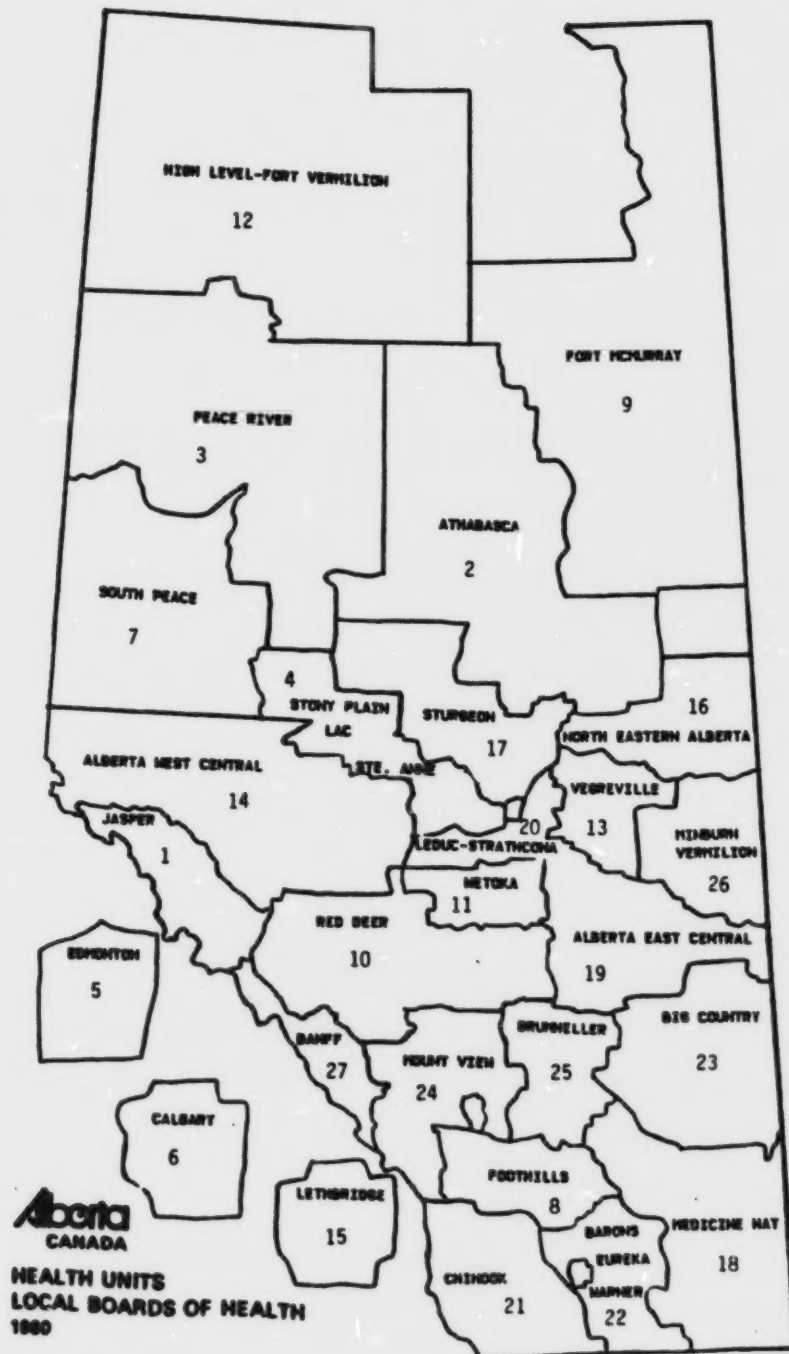
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

	ALL-CANCER									
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	53	0	0	0	31	147	326	589	1860
ALBERTA WEST CENTRAL	0	0	0	0	0	74	52	437	835	1928
ATHABASCA	0	0	31	38	0	56	71	573	1113	2292
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	105	372	746	1327
BIG COUNTRY	0	0	0	0	0	0	0	251	767	1992
CALGARY	0	11	5	6	4	28	134	390	908	2276
CHINOOK	0	0	0	0	0	0	216	351	647	1654
DRUMHELLER	0	0	0	0	0	48	0	265	380	1382
EDMONTON	0	6	14	10	8	36	156	423	922	2106
FOOTHILLS	0	0	0	0	100	43	316	224	409	1926
FORT MCMURRAY	0	0	0	0	20	38	183	455	741	1887
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	220	1235	621	0
JASPER NATIONAL PARK	0	0	0	0	0	0	461	1786	0	3125
LEDUC-STRAITHCONA	0	0	9	11	10	22	108	148	1232	1311
LETHBRIDGE	0	0	0	39	19	32	114	378	726	1645
MEDICINE HAT	0	0	0	0	0	46	117	530	686	1326
MILNBURN-VERMILION	0	0	0	0	0	0	58	179	501	1284
MOUNT VERN	0	0	18	0	0	22	32	190	683	1368
NORTH EASTERN ALBERTA	0	0	0	0	0	0	243	0	1140	2152
PEACE RIVER	0	0	0	0	29	0	48	486	1371	2343
RED DEER	0	50	0	9	9	14	239	347	1018	1534
SOUTH PEACE	0	0	0	0	0	52	160	377	923	2083
STONY PLAIN-LAC STE. ANNE	0	0	0	18	14	40	249	437	1030	1855
STURGEON	0	0	0	12	11	0	22	308	928	2113
VEGREVILLE	0	0	0	0	0	0	192	423	1125	1474
WETOKA	0	0	29	0	0	0	106	342	765	2644
ALBERTA	0	7	6	7	7	27	138	372	865	1924

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	112	81	143	19	0.88	.
ALBERTA WEST CENTRAL	125	70	180	14	0.98	.
ATHABASCA	166	105	227	2	1.30	.
BANFF NATIONAL PARK	0	0	0	27	0.00	.
BARONS-EUREKA-WARNER	98	59	136	22	0.77	.
BIG COUNTRY	97	37	157	23	0.76	.
CALGARY	138	124	152	6	1.08	.
CHINOOK	110	72	148	21	0.86	.
DRUMHELLER	73	39	107	25	0.57	.
EDMONTON	142	128	157	5	1.11	YES
FOOTHILLS	134	82	185	8	1.05	.
FORT MCHERRY	133	14	251	9	1.04	.
HIGH LEVEL-FORT VERMILION	130	15	244	12	1.02	.
JASPER NATIONAL PARK	239	0	479	1	1.87	.
LEDUC-STRAITHCONA	111	76	145	20	0.87	.
LETHBRIDGE	122	87	157	15	0.96	.
MEDICINE HAT	113	82	143	18	0.88	.
MINSBURN-VERMILION	69	38	99	26	0.54	.
MOUNT VERN	82	51	114	24	0.64	.
NORTH EASTERN ALBERTA	121	80	161	16	0.95	.
PEACE RIVER	156	106	206	3	1.22	.
RED DEER	133	104	162	10	1.04	.
SOUTH PEACE	135	92	178	7	1.06	.
STONY PLAIN-LAC STE. ANNE	152	105	198	4	1.19	.
STURGEON	117	85	149	17	0.92	.
VEGREVILLE	128	87	169	13	1.00	.
WETOKA	133	91	174	11	1.04	.
ALBERTA	128	121	134			

ALL-CANCER, MALES, 1983



NUMBER OF DEATHS, 1983

MALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LNA	0	0	0	0	0	0	0	0	1	1	2
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	1	2	3
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	1	0	2	1	4
BARKINS-EUREKA-WARNER	0	0	0	0	0	0	0	1	0	2	3
BIG COUNTRY	0	0	0	0	0	0	4	9	11	16	43
CALGARY	0	0	0	0	0	3	0	0	2	0	2
CHINOOK	0	0	0	0	0	0	0	0	0	1	1
DRUMHELLER	0	0	0	0	0	0	0	0	0	1	1
EDMONTON	0	0	0	0	2	3	3	6	12	19	45
FOOTHILLS	0	0	0	0	0	1	0	0	1	2	4
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	1	3	2	6
LETHBRIDGE	0	0	0	0	1	0	1	0	0	1	3
MEDICINE HAT	0	0	0	0	0	0	0	2	2	1	5
KINDERMUN-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VERNILION	0	0	0	0	0	0	0	1	0	3	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	1	3
PEACE RIVER	0	0	0	0	0	0	0	1	3	3	7
RED BEAR	0	0	0	0	0	0	2	3	3	1	9
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	2	3	6
STURGEON	0	0	0	0	1	0	0	0	2	6	9
VEGREVILLE	0	0	0	0	0	0	0	0	1	2	3
WETASKAN	0	0	0	0	0	0	0	0	0	3	3
ALBERTA	0	0	0	0	4	7	11	25	49	72	168

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

	COLON CANCER									
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	45	74
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	167	551
ATHABASCA	0	0	0	0	0	0	0	0	139	208
BAFFY NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-HARNER	0	0	0	0	0	0	52	0	187	147
BIG COUNTRY	0	0	0	0	0	0	0	126	0	797
CALGARY	0	0	0	0	0	7	14	46	111	205
CHINOOK	0	0	0	0	0	0	0	0	144	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	154
EDMONTON	0	0	0	0	3	9	11	30	110	308
FOOTHILLS	0	0	0	0	0	43	0	0	102	350
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1887
HIGH LEVEL-FORT VERNILLION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	37	217	262
LETHBRIDGE	0	0	0	0	19	0	38	0	0	82
MEDICINE HAT	0	0	0	0	0	0	0	62	91	88
MIDBURN-VERMILLION	0	0	0	0	0	0	0	0	0	0
MOUNT VERN	0	0	0	0	0	0	0	47	0	410
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	175	127
PEACE RIVER	0	0	0	0	0	0	0	69	316	439
RED DEER	0	0	0	0	0	0	48	74	113	67
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	49	173	557
STURGEON	0	0	0	0	11	0	0	0	116	528
VERREVILLE	0	0	0	0	0	0	0	0	70	211
WETOKA	0	0	0	0	0	0	0	0	0	361
ALBERTA	0	0	0	0	2	5	10	31	100	248

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	COLON CANCER					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	4	-1	9	21	0.29			
ALBERTA WEST CENTRAL	20	-3	43	5	1.43			
ATHABASCA	11	-4	26	14	0.79			
BANFF NATIONAL PARK	0	0	0	23	0.00			
BARONS-EUREKA-WARNER	16	0	32	11	1.14			
BIG COUNTRY	28	-4	59	2	2.00			
CALGARY	17	12	22	9	1.21			
CHINOOK	6	-2	14	20	0.43			
DRUMHELLER	4	-4	11	22	0.29			
EDMONTON	17	12	22	10	1.21			
FOOTHILLS	18	0	36	7	1.29			
FORT MCMURRAY	46	-44	135	1	3.28			
HIGH LEVEL-FORT VERMILION	0	0	0	24	0.00			
JASPER NATIONAL PARK	0	0	0	25	0.00			
LEDUC-STRATHCONA	18	4	32	8	1.29			
LETHBRIDGE	10	-2	21	15	0.71			
MEDICINE HAT	10	1	19	16	0.71			
MIDBURN-VERMILION	0	0	0	26	0.00			
MOUNT VERN	13	0	26	13	0.93			
NORTH EASTERN ALBERTA	10	-1	22	17	0.71			
PEACE RIVER	28	7	49	3	2.00			
RED DEER	15	5	25	12	1.07			
SOUTH PEACE	0	0	0	27	0.00			
STONY PLAIN-LAC STE. ANNE	24	5	43	4	1.71			
STURGEON	28	7	33	6	1.43			
VEGREVILLE	8	-1	17	19	0.57			
WETOKA	9	-1	19	18	0.64			
ALBERTA	14	12	16					

COLON CANCER, MALES, 1983



HEALTH UNITS
LOCAL BOARDS OF HEALTH
1990

NUMBER OF DEATHS, 1963

MALES

	LUNG CANCER										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	0	1	1	3	0	0	13
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	3	1	1	5
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	3	3	6	13
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	1	3	3	7
BARONS-EUREKA-WABER	0	0	0	0	0	0	0	1	1	1	3
BIG COUNTRY	0	0	0	0	0	5	9	10	23	43	90
CALGARY	0	0	0	0	0	0	0	2	2	2	6
CHINOOK	0	0	0	0	0	0	0	1	2	2	5
BRUNNELLER	0	0	0	0	0	0	0	31	33	30	110
EDMONTON	0	0	0	0	1	2	13	1	2	0	4
FOOTHILLS	0	0	0	0	0	0	1	1	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	1	0	0	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	1	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1	0	1	2
LEBUC-STRAITMONTA	0	0	0	0	0	1	0	0	4	4	9
LETHBRIDGE	0	0	0	0	0	0	0	3	5	6	14
MEDICINE HAT	0	0	0	0	0	1	2	7	4	2	16
KIMBERLY-VERMILLION	0	0	0	0	0	0	0	3	2	1	6
MOUNT VERN	0	0	0	0	0	0	0	1	1	2	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	0	3	5	9
PEACE RIVER	0	0	0	0	0	0	0	3	5	6	14
RED BEER	0	0	0	0	0	0	4	2	7	3	16
SOUTH PEACE	0	0	0	0	0	1	0	3	2	5	11
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	3	4	2	2	11
STURGEON	0	0	0	0	0	0	0	5	7	7	19
VERREVILLE	0	0	0	0	0	0	0	1	5	5	11
WETONA	0	0	0	0	0	0	0	0	4	6	10
ALBERTA	0	0	0	0	1	11	35	99	121	151	410

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

LUNG CANCER

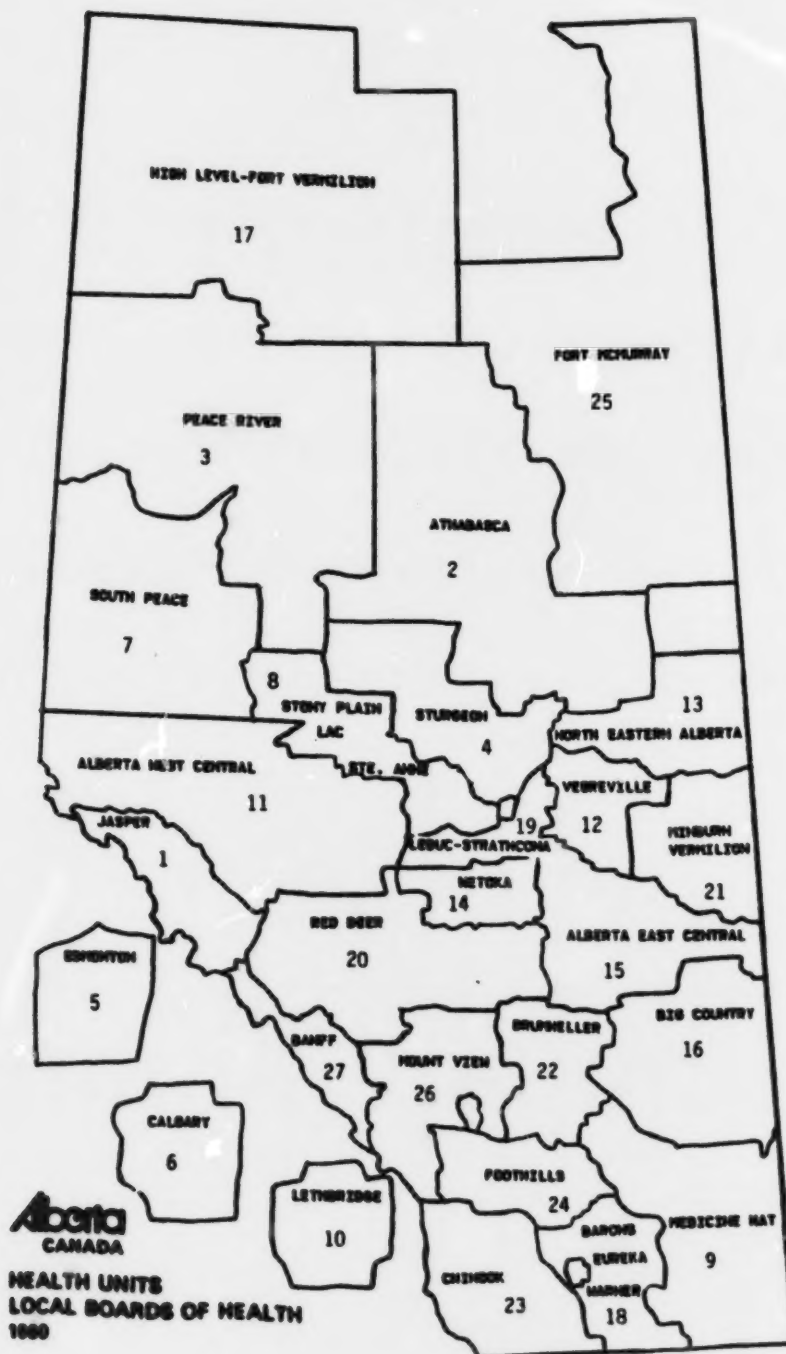
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LNA	0	0	0	0	0	31	37	109	0	595
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	262	167	275
ALBERTA WEST CENTRAL	0	0	0	0	0	0	71	206	417	1250
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	62	280	442
BARONS-BUREKA-WAGNER	0	0	0	0	0	0	0	126	256	370
BIBS COUNTRY	0	0	0	0	0	12	31	92	232	765
CALGARY	0	0	0	0	0	0	0	117	144	221
CHINOOK	0	0	0	0	0	0	0	66	190	307
BRUNNELLER	0	0	0	0	0	6	40	154	301	406
EDMONTON	0	0	0	0	2	0	63	75	204	0
FOOTHILLS	0	0	0	0	0	0	0	227	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	412	0	0
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	893	0	3125
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	290	524
LEDUC-STRAITHCORN	0	0	0	0	0	11	0	0	279	493
LETHBRIDGE	0	0	0	0	0	0	0	126	183	177
MEDICINE HAT	0	0	0	0	0	23	50	210	167	120
KIDSBURN-VERMILION	0	0	0	0	0	0	0	179	76	274
MOUNT VERN	0	0	0	0	0	0	0	47	263	633
NORTH EASTERN ALBERTA	0	0	0	0	0	0	49	0	527	870
PEACE RIVER	0	0	0	0	0	0	0	200	264	200
RED DEER	0	0	0	0	0	0	30	50	185	694
SOUTH PEACE	0	0	0	0	0	26	0	161	173	371
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	107	194	406	616
STURGEON	0	0	0	0	0	0	0	171	352	526
VERREVILLE	0	0	0	0	0	0	0	60	306	721
METOKA	0	0	0	0	0	0	0	0	247	521
ALBERTA	0	0	0	0	0	7	32	121		

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LUNG CANCER

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	29	13	46	15	0.83	.
ALBERTA WEST CENTRAL	31	4	59	11	0.89	.
ATHABASCA	73	33	113	2	2.09	YES
BANFF NATIONAL PARK	0	0	0	27	0.00	.
BARONS-EUREKA-WARNER	26	7	46	18	0.75	.
BIG COUNTRY	29	-4	61	16	0.83	.
CALGARY	39	31	46	6	1.12	.
CHINOOK	19	4	35	23	0.55	.
DEARHELLER	20	2	37	22	0.57	.
EDMONTON	40	33	48	5	1.15	.
FOOTHILLS	19	0	30	24	0.55	.
FORT MCMURRAY	16	-15	46	25	0.46	.
HIGH LEVEL-FORT VERMILION	28	-27	83	17	0.80	.
JASPER NATIONAL PARK	137	-54	327	1	3.93	.
LEONUC-STRATHCONA	26	9	43	19	0.75	.
LETHBRIDGE	32	15	49	10	0.92	.
MEDICINE HAT	35	18	52	9	1.00	.
MIDBURN-VERMILION	22	4	40	21	0.63	.
MOUNT VERN	13	0	26	26	0.37	.
NORTH EASTERN ALBERTA	30	10	51	13	0.86	.
PEACE RIVER	57	27	87	3	1.64	.
RED DEER	26	13	39	20	0.75	.
SOUTH PEACE	39	16	62	7	1.12	.
STONY PLAIN-LAC STE. ANNE	39	16	62	8	1.12	.
STURGEON	43	24	63	4	1.23	.
VERREVILLE	31	13	50	12	0.89	.
METOKA	30	11	48	14	0.86	.
ALBERTA	35	32	38			

LUNG CANCER, MALES, 1983



NUMBER OF DEATHS, 1963

	MALES										
	DIABETES										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	0	0	0	0	0	6	6
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	1	1
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	1	1
ATNABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WAGNER	0	0	0	0	0	0	0	0	1	2	3
BIG COUNTRY	0	0	0	0	0	0	0	0	0	2	2
CALGARY	0	0	0	0	0	1	0	4	3	6	14
CHINOOK	0	0	0	0	0	0	0	0	0	1	1
DELMELLER	0	0	0	0	0	0	0	0	0	1	1
EDMONTON	0	0	0	0	0	2	1	3	4	10	20
FOOTHILLS	0	0	0	0	0	0	0	0	1	2	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	1	0	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEONIC-STRATHCONA	0	0	0	0	0	0	0	0	1	1	2
LETNBRIDGE	0	0	0	0	0	0	0	1	0	3	4
MEDICINE HAT	0	0	0	0	0	0	0	0	2	4	6
MIDLAND-VERMILION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VERN	0	0	0	0	0	0	0	0	0	2	2
NORTH EASTERN ALBERTA	0	0	0	0	1	0	0	0	0	1	2
PEACE RIVER	0	0	0	0	0	0	0	1	0	0	1
RED DEER	0	0	0	0	0	0	0	1	0	2	3
SOUTH PEACE	0	0	0	0	0	0	0	0	0	2	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	1	0	1
STURGEON	0	0	0	0	0	0	0	0	1	0	1
VERMILION	0	0	0	0	0	0	0	0	0	3	3
WETOKA	0	0	0	0	0	0	0	0	0	2	2
ALBERTA	0	0	0	0	1	3	1	10	16	52	83

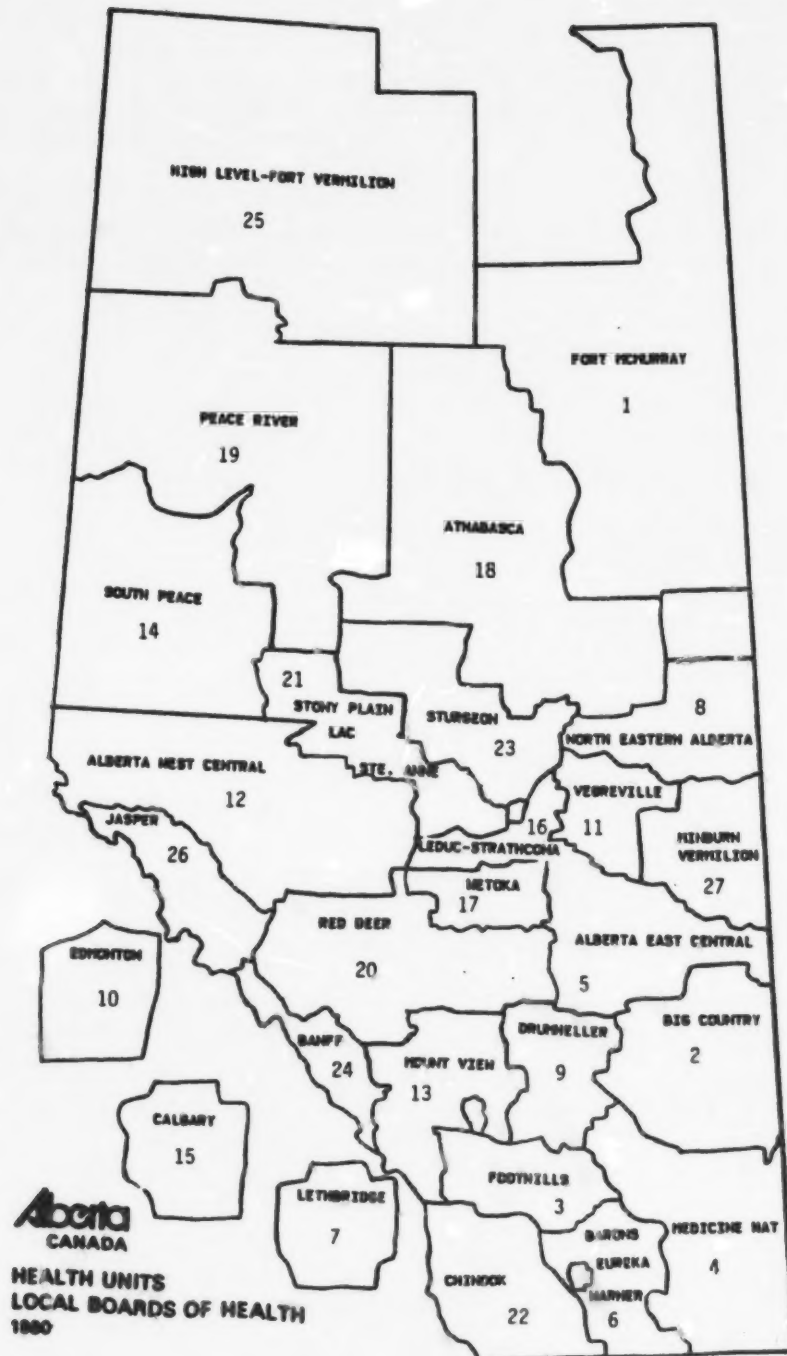
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

	DIABETES									
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LHA	0	0	0	0	0	0	0	0	0	446
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	275
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	208
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BAWFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-HARNER	0	0	0	0	0	0	0	0	93	295
BIG COUNTRY	0	0	0	0	0	0	0	0	0	797
CALGARY	0	0	0	0	0	2	0	21	30	107
CHINOOK	0	0	0	0	0	0	0	0	0	110
DRUMHELLER	0	0	0	0	0	0	0	0	0	154
EDMONTON	0	0	0	0	0	0	4	15	37	162
FOOTHILLS	0	0	0	0	0	0	0	0	102	350
FORT MCMURRAY	0	0	0	0	0	0	0	0	741	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	72	131
LETHBRIDGE	0	0	0	0	0	0	0	42	0	247
MEDICINE HAT	0	0	0	0	0	0	0	0	91	354
MILBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VERN	0	0	0	0	0	0	0	0	0	274
NORTH EASTERN ALBERTA	0	0	0	0	28	0	0	0	0	127
PEACE RIVER	0	0	0	0	0	0	0	69	0	0
RED DEER	0	0	0	0	0	0	0	25	0	133
SOUTH PEACE	0	0	0	0	0	0	0	0	0	278
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	0	87	0
STURGEON	0	0	0	0	0	0	0	0	58	0
VEGREVILLE	0	0	0	0	0	0	0	0	0	316
WETOKA	0	0	0	0	0	0	0	0	0	240
ALBERTA	0	0	0	0	0	2	1	12	33	179

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	DIABETES					RATIO	SIG
	RATE	LOWER	UPPER	RANK			
ALBERTA EAST CENTRAL	11	2	19	5		1.59	.
ALBERTA WEST CENTRAL	7	-6	20	12		1.01	.
ATHABASCA	5	-5	15	18		0.72	.
BANFF NATIONAL PARK	0	0	0	24		0.00	.
BARONS-EUREKA-WARNER	11	-1	23	6		1.59	.
BIG COUNTRY	19	-7	46	2		2.75	.
CALGARY	6	3	6	15		0.67	.
CHINOOK	3	-3	6	22		0.43	.
DRUMHELLER	8	-3	16	9		1.16	.
EDMONTON	8	4	11	10		1.16	.
FOOTHILLS	13	-2	27	3		1.68	.
FORT MCMURRAY	30	-29	90	1		4.34	.
HIGH LEVEL-FORT VERMILION	0	0	0	25		0.00	.
JASPER NATIONAL PARK	0	0	0	26		0.00	.
LEDUC-STRATHCONA	6	-2	15	16		0.67	.
LETHBRIDGE	9	0	16	7		1.30	.
MEDICINE HAT	12	2	22	4		1.73	.
MILBURN-VERMILION	0	0	0	27		0.00	.
MOUNT VERNON	7	-3	16	13		1.01	.
NORTH EASTERN ALBERTA	9	-4	22	8		1.30	.
PEACE RIVER	5	-5	14	19		0.72	.
RED DEER	5	-1	10	20		0.72	.
SOUTH PEACE	7	-3	16	14		1.01	.
STONY PLAIN-LAC STE. ANNE	4	-3	10	21		0.50	.
STURGEON	2	-2	7	23		0.29	.
VEGREVILLE	8	-1	16	11		1.16	.
WETOKA	6	-2	14	17		0.67	.
ALBERTA	7	5	8				.

DIABETES, MALES, 1983



NUMBER OF DEATHS, 1983

MALES

ISCHEMIC HEART DISEASE

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LWA	0	0	0	0	0	1	2	12	15	55	85
ALBERTA EAST CENTRAL	0	0	0	0	0	2	3	5	6	10	26
ALBERTA WEST CENTRAL	0	0	0	0	0	1	3	7	5	15	31
ATHABASCA	0	0	0	0	0	0	0	0	0	1	1
BANFF NATIONAL PARK	0	0	0	0	0	0	1	2	9	16	28
BARONS-EUREKA-MARNER	0	0	0	0	0	0	1	2	4	9	16
BIG COUNTRY	0	0	0	0	0	0	1	2	4	9	16
CALGARY	0	0	0	0	6	11	34	88	128	154	421
CHINOOK	0	0	0	0	0	1	0	6	12	24	45
DRUMHELLER	0	0	0	0	1	0	1	4	12	14	32
EDMONTON	0	0	0	0	2	14	41	98	98	177	430
FOOTHILLS	0	0	0	0	0	2	3	5	7	19	36
FORT MCMURRAY	0	0	0	1	0	2	4	1	2	0	10
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	1	0	2	2	5
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	3	1	4
LEDUC-STRAITHCONA	0	0	0	0	0	1	2	11	23	27	64
LETHBRIDGE	0	0	0	0	0	1	1	13	16	35	66
MEDICINE HAT	0	0	0	0	0	4	4	10	27	41	86
KIMBURN-VERMILION	0	0	0	0	0	1	2	3	9	33	48
MOUNT VIEW	0	0	0	0	0	1	4	10	10	20	45
NORTH EASTERN ALBERTA	0	0	0	0	1	0	5	5	10	16	39
PEACE RIVER	0	0	0	0	0	3	2	5	8	21	39
RED DEER	0	0	0	0	0	0	7	16	23	33	79
SOUTH PEACE	0	0	0	0	0	3	5	6	18	15	47
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	3	3	7	12	19	44
STURGEON	0	0	0	0	0	1	6	8	11	29	55
VEGREVILLE	0	0	0	0	0	1	0	9	25	34	69
WETOKA	0	0	0	0	0	1	6	8	15	23	53
ALBERTA	0	0	0	1	10	54	141	343	510	845	1904

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

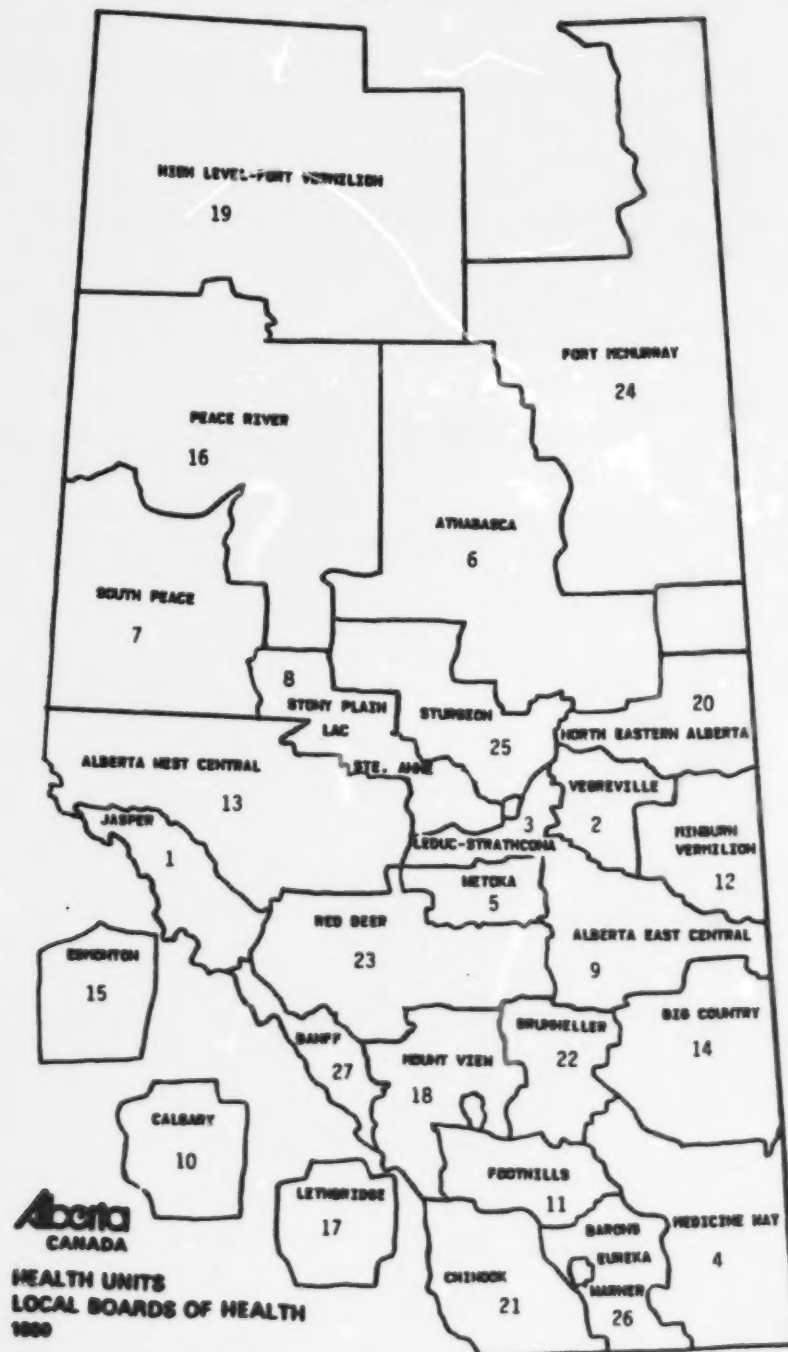
ISCHEMIC HEART DISEASE

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	31	74	434	679	4092
ALBERTA WEST CENTRAL	0	0	0	0	0	74	157	437	1002	2755
ATHABASCA	0	0	0	0	0	56	212	666	695	3125
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2703
BARONS-EUREKA-WARNER	0	0	0	0	0	0	52	124	840	2368
BIG COUNTRY	0	0	0	0	0	0	152	251	1023	3586
CALGARY	0	0	0	0	8	26	117	452	1291	2739
CHINOOK	0	0	0	0	0	41	0	468	863	2646
DRUMHELLER	0	0	0	0	33	0	66	265	1141	2151
EDMONTON	0	0	0	0	3	42	152	488	895	2868
FOOTHILLS	0	0	0	0	0	85	189	373	715	3327
FORT MCMURRAY	0	0	0	27	0	75	367	227	1481	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	220	0	1242	2899
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	6383	3125
LEDUC-STRATHCONA	0	0	0	0	0	11	43	408	1667	3539
LETHBRIDGE	0	0	0	0	0	32	38	546	893	2878
MEDICINE HAT	0	0	0	0	0	91	117	312	1235	3625
MINIBURN-VERMILION	0	0	0	0	0	46	115	179	751	4236
MOUNT VIEW	0	0	0	0	0	22	130	474	759	2736
NORTH EASTERN ALBERTA	0	0	0	0	28	0	243	300	877	2278
PEACE RIVER	0	0	0	0	0	119	96	347	844	3075
RED DEER	0	0	0	0	0	0	139	397	868	2201
SOUTH PEACE	0	0	0	0	0	79	200	323	1661	2083
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	61	107	340	1038	3525
STURGEON	0	0	0	0	0	13	133	274	638	2553
VEGREVILLE	0	0	0	0	0	54	0	544	1758	3579
WETOKA	0	0	0	0	0	42	316	456	1147	2764
ALBERTA	0	0	0	0	4	35	129	419	1041	2914

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	ISCHEMIC HEART DISEASE				RANK	RATIO	SIG
	RATE	LOWER	UPPER				
ALBERTA EAST CENTRAL	167	131	203	9	1.05	.	.
ALBERTA WEST CENTRAL	161	99	224	13	1.01	.	.
ATHABASCA	176	114	238	6	1.11	.	.
BANFF NATIONAL PARK	65	-63	193	27	0.41	.	.
BARONS-EUREKA-WARNER	105	66	143	26	0.66	.	.
BIG COUNTRY	160	81	238	14	1.01	.	.
CALGARY	165	150	181	10	1.04	.	.
CHINOOK	136	96	177	21	0.86	.	.
DRUMHELLER	130	04	175	22	0.82	.	.
EDMONTON	159	144	174	15	1.00	.	.
FOOTHILLS	163	110	217	11	1.03	.	.
FORT MCMURRAY	125	28	221	24	0.79	.	.
HIGH LEVEL-FORT VERMILION	141	15	267	19	0.89	.	.
JASPER NATIONAL PARK	336	6	666	1	2.12	.	.
LEDUC-STRAITHCONA	187	141	233	3	1.18	.	.
LETHBRIDGE	151	114	188	17	0.95	.	.
MEDICINE HAT	182	143	220	4	1.15	.	.
MIDBURN-VERMILION	162	115	206	12	1.02	.	.
MOUNT VIEW	144	102	186	18	0.91	.	.
NORTH EASTERN ALBERTA	139	95	184	20	0.88	.	.
PEACE RIVER	156	107	206	16	0.98	.	.
RED DEER	128	100	157	23	0.81	.	.
SOUTH PEACE	169	120	217	7	1.06	.	.
STONY PLAIN-LAC STE. ANNE	168	118	219	8	1.06	.	.
STURGEON	120	88	152	25	0.76	.	.
VEGREVILLE	202	153	251	2	1.27	YES	YES
WETOKA	179	130	228	5	1.13	.	.
ALBERTA	159	152	166				

ISCHEMIC HEART DISEASE, MALES, 1983



NUMBER OF DEATHS, 1983

MALES

CEREBROVASCULAR DISEASE

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LHA	0	0	0	0	0	0	0	1	4	15	20
ALBERTA EAST CENTRAL	0	0	0	0	0	0	2	0	0	2	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	4	4
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
BARDINS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	1	1
BIG COUNTRY	0	0	0	0	0	0	5	6	9	47	72
CALGARY	0	0	0	0	1	4	0	1	0	1	1
CHINOOK	0	0	0	0	0	0	0	1	2	0	11
DRUMHELLER	0	0	0	0	0	0	0	0	0	9	9
EDMONTON	0	0	0	0	3	5	12	8	23	47	90
FOOTHILLS	0	0	0	0	0	0	0	0	2	4	6
FORT McMURRAY	0	0	0	0	0	0	1	0	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEBUE-STRATHCONA	0	0	0	0	1	0	1	1	3	10	16
LETHBRIDGE	0	0	0	0	0	0	0	0	2	15	17
MEDICINE HAT	0	0	0	0	0	0	1	1	6	11	19
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	4	6	10
MOUNT VERN	0	0	0	0	0	0	0	1	2	5	8
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	3	5
PEACE RIVER	0	0	0	0	0	1	1	1	1	4	8
RED BEAR	0	0	0	0	0	0	0	4	2	13	19
SOUTH PEACE	0	0	1	0	0	1	0	1	2	6	11
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	0	4	0	4	9
STURGEON	0	0	0	0	0	0	0	1	2	10	13
VEREVELLE	0	0	0	0	0	0	0	1	0	6	7
WETONA	0	0	0	0	0	0	0	1	2	7	10
ALBERTA	0	0	1	0	5	12	23	32	60	230	379

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

CEREBROVASCULAR DISEASE

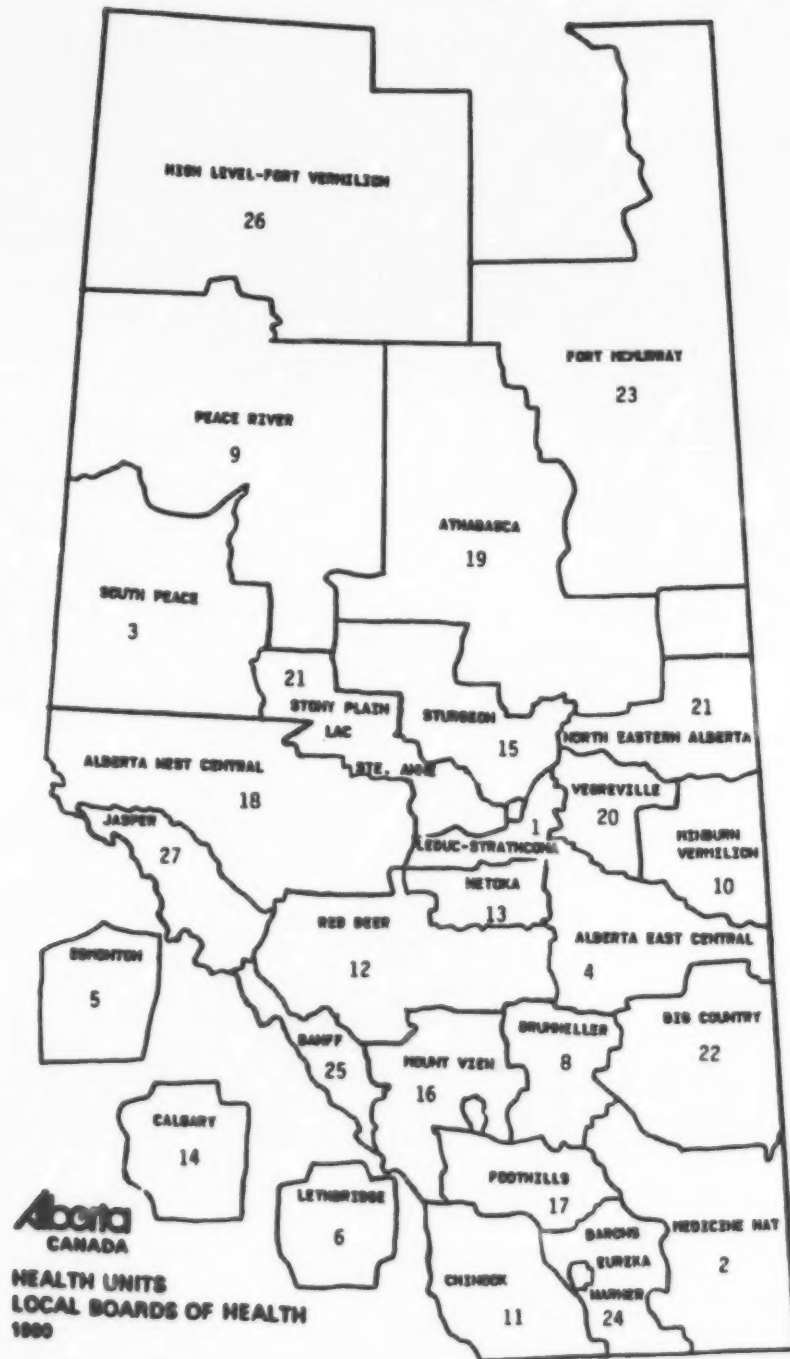
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	36	161	1116
ALBERTA WEST CENTRAL	0	0	0	0	0	0	105	0	0	551
ATNABASCA	0	0	0	0	0	0	0	0	0	633
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	147
BIG COUNTRY	0	0	0	0	0	0	0	0	0	398
CALGARY	0	0	0	0	1	9	17	31	91	836
CHINOOK	0	0	0	0	0	0	0	58	144	882
DRUMHELLER	0	0	0	0	0	0	0	0	0	1382
EDMONTON	0	0	0	0	5	15	45	40	210	762
FOOTHILLS	0	0	0	0	0	0	0	0	204	701
FORT MCMURRAY	0	0	0	0	0	0	92	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	10	0	22	37	217	1311
LETHBRIDGE	0	0	0	0	0	0	0	0	112	1234
MEDICINE HAT	0	0	0	0	0	0	29	31	274	973
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	334	770
MOUNT VERN	0	0	0	0	0	0	0	47	152	604
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	175	300
PEACE RIVER	0	0	0	0	0	40	48	69	105	586
RED DEER	0	0	0	0	0	0	0	99	75	867
SOUTH PEACE	0	0	19	0	0	26	0	54	185	833
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	20	0	194	0	742
STURGEON	0	0	0	0	0	0	0	34	116	880
VEGREVILLE	0	0	0	0	0	0	0	60	0	632
WETOKA	0	0	0	0	0	0	0	57	153	841
ALBERTA	0	0	1	0	2	8	21	39	139	821

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

CEREBROVASCULAR DISEASE

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	37	21	53	4	1.17	.
ALBERTA WEST CENTRAL	23	0	46	18	0.73	.
ATHABASCA	20	0	40	19	0.63	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	4	-3	11	24	0.13	.
BIG COUNTRY	10	-9	29	22	0.32	.
CALGARY	29	22	36	14	0.92	.
CHINOOK	31	13	50	11	0.98	.
CRUSSELLER	33	12	55	8	1.04	.
EDMONTON	37	29	44	5	1.17	.
FOOTHILLS	25	5	46	17	0.79	.
FORT MCHERRAY	8	-8	25	23	0.25	.
HIGH LEVEL-FORT VERRILLION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRAITHCONA	47	24	70	1	1.49	.
LETHBRIDGE	34	18	51	6	1.08	.
MEDICINE HAT	40	22	57	2	1.27	.
MIDBURN-VERMILION	32	12	52	10	1.01	.
MOUNT VERN	26	8	44	16	0.82	.
NORTH EASTERN ALBERTA	16	2	31	21	0.51	.
PEACE RIVER	33	10	56	9	1.04	.
RED DEER	31	17	45	12	0.98	.
SOUTH PEACE	30	15	40	3	1.20	.
STONY PLAIN-LAC STE. ANNE	34	11	56	7	1.08	.
STURGEON	28	13	44	15	0.89	.
VEGRIEVILLE	19	5	34	20	0.60	.
WETOKA	30	11	49	13	0.95	.
ALBERTA	32	28	35			

CEREBROVASCULAR DISEASE, MALES, 1983



NUMBER OF DEATHS, 1963

MALES

	PNEUMONIA										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LNA	0	0	0	0	0	0	0	1	1	7	9
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	5	5
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	4	4
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	1	0	3	5
BARONS-EUREKA-WARNER	0	0	0	0	0	1	0	0	0	2	2
BIG COUNTRY	0	0	0	0	0	0	2	5	9	39	56
CALGARY	0	0	0	0	0	1	0	0	3	6	9
CHINOOK	0	0	0	0	0	0	0	1	1	4	6
DRUMHELLER	0	0	0	0	0	0	1	5	5	31	47
EDMONTON	1	0	0	0	3	2	1	0	0	3	4
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	1	1	3
HIGH LEVEL-FORT VERNILION	1	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1	0	5	7
LEDUC-STRATHCONA	0	1	0	0	0	0	0	0	2	7	9
LETHBRIDGE	0	0	0	0	0	0	0	0	1	5	6
MEDICINE HAT	0	0	0	0	0	0	0	0	0	4	5
MIDBURN-VERMILION	0	1	0	0	0	0	0	0	1	2	3
MOUNT VERN	0	0	0	0	0	0	0	2	1	2	5
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	1	0	0	0	1	0	0	2	3	13	20
RED DEER	0	0	0	0	0	0	0	0	0	0	0
SOUTH PEACE	0	0	0	0	0	0	0	1	0	2	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	1	3	7
STURGEON	2	0	0	0	0	0	0	0	0	3	4
VERREYVILLE	1	0	0	0	0	0	0	0	1	13	15
WETOKA	0	0	0	0	1	0	0	0	1	13	15
ALBERTA	6	3	0	0	5	3	3	20	30	100	250

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

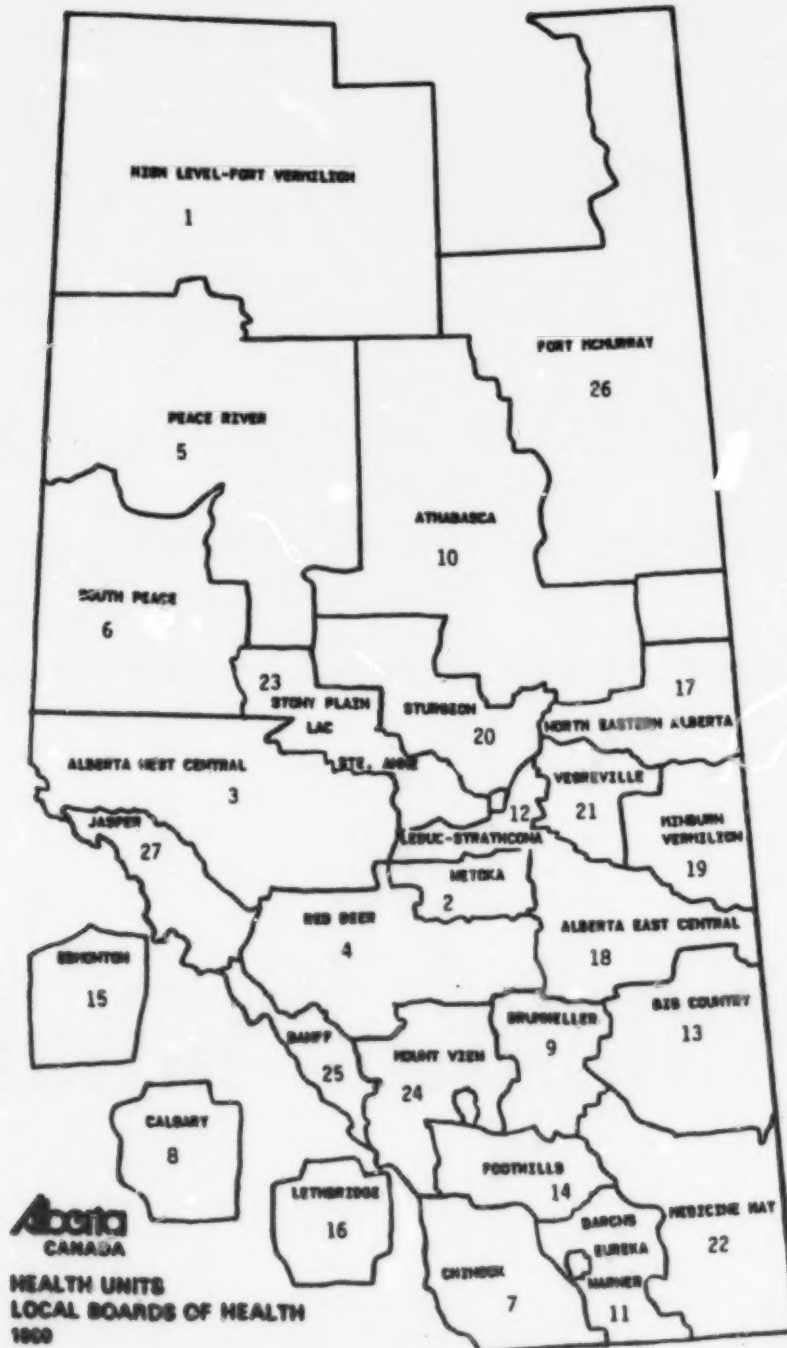
PNEUMONIA

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LMA	0	0	0	0	0	0	0	36	45	521
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	1377
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	833
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	41	0	62	0	442
BIG COUNTRY	0	0	0	0	0	0	0	0	0	797
CALGARY	0	0	0	0	0	2	7	26	91	694
CHINOOK	0	0	0	0	0	0	0	0	216	662
DRUMHELLER	0	0	0	0	0	0	0	0	95	614
EDMONTON	0	6	0	0	5	3	4	25	46	502
FOOTHILLS	362	0	0	0	0	0	0	0	0	525
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	556	0	0	0	0	0	0	0	621	1449
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITNCDNA	0	24	0	0	0	0	0	37	0	655
LETHBRIDGE	0	0	0	0	0	0	0	0	112	576
MEDICINE HAT	0	0	0	0	0	0	0	0	46	442
KIMBERN-VERMILION	0	74	0	0	0	0	0	0	0	513
MOUNT VERN	0	0	0	0	0	0	0	0	76	274
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	120	80	253
PEACE RIVER	0	0	0	0	0	0	0	0	0	1171
RED DEER	98	0	0	0	9	0	0	50	113	867
SOUTH PEACE	0	0	0	0	0	0	0	0	0	1111
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	49	0	371
STURGEON	218	0	0	0	0	0	0	34	58	264
VERREVILLE	407	0	0	0	0	0	0	0	0	316
WETOKA	0	0	0	0	31	0	0	0	76	1563
ALBERTA	29	4	0	0	2	2	3	24	61	621

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1963

LHA	PNEUMONIA					RANK	RATIO	SIG
	RATE	LOWER	UPPER	RANK	RATIO			
ALBERTA EAST CENTRAL	17	6	28	18	0.82	.		
ALBERTA WEST CENTRAL	33	4	62	3	1.58	.		
ATHABASCA	20	0	40	10	0.96	.		
BANFF NATIONAL PARK	0	0	0	25	0.00	.		
BASSIN-EUREKA-WARNER	20	2	38	11	0.96	.		
BIG COUNTRY	19	-7	46	13	0.91	.		
CALGARY	23	17	29	8	1.10	.		
CHINOOK	25	9	41	7	1.20	.		
DRUMHELLER	23	5	42	9	1.10	.		
EDMONTON	18	13	23	15	0.86	.		
FOOTHILLS	19	0	38	14	0.91	.		
FORT McMURRAY	0	0	0	26	0.00	.		
HIGH LEVEL-FORT VERMILION	70	-17	157	1	3.36	.		
JASPER NATIONAL PARK	0	0	0	27	0.00	.		
LEDUC-STRAITHCONA	20	5	35	12	0.96	.		
LETHBRIDGE	18	6	31	16	0.86	.		
MEDICINE HAT	13	2	23	22	0.62	.		
MIDBURN-VERMILION	17	2	33	19	0.82	.		
MOUNT VERNON	18	-1	21	24	0.48	.		
NORTH EASTERN ALBERTA	18	2	34	17	0.86	.		
PEACE RIVER	28	9	48	5	1.34	.		
RED DEER	33	18	47	4	1.58	.		
SOUTH PEACE	27	8	45	6	1.30	.		
STONY PLAIN-LAC STE. ANNE	12	-2	26	23	0.58	.		
STURGEON	15	4	26	20	0.72	.		
VEGREVILLE	15	-2	31	21	0.72	.		
WETOKA	47	22	72	2	2.26	YES		
ALBERTA	21	18	23					

PNEUMONIA, MALES, 1983



NUMBER OF DEATHS, 1983

MALES

	CHRONIC OBSTRUCTIVE LUNG DISEASE										
LMA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	4	5	10
ALBERTA WEST CENTRAL	0	0	0	0	1	0	0	0	0	2	3
ATKINS	0	0	0	0	0	1	0	1	0	3	5
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARKINS-EUREKA-HASHER	0	0	0	0	0	0	0	0	2	2	4
BIG COUNTRY	0	0	0	0	0	0	0	0	2	1	3
CALGARY	0	0	1	0	0	0	1	10	20	46	78
CHINOOK	0	0	0	0	0	0	0	0	2	2	4
DRUMHELLER	0	0	0	0	0	0	0	1	4	3	8
EDMONTON	0	0	0	1	1	0	1	9	20	42	74
FOOTHILLS	0	0	0	0	0	0	0	2	2	2	6
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCOMA	0	0	0	0	0	0	1	2	1	4	8
LETHBRIDGE	0	0	0	0	0	0	0	2	4	10	16
MEDICINE HAT	0	0	0	0	0	0	0	0	2	7	9
KINBURN-VERMILION	0	0	0	0	0	0	0	1	2	3	6
MOUNT VIEW	0	0	0	0	0	0	0	0	2	5	7
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	2	4	6
PEACE RIVER	0	0	0	0	0	0	0	0	2	3	5
RED DEER	0	0	0	0	0	0	0	1	4	7	12
SOUTH PEACE	0	0	0	0	0	0	2	0	0	7	9
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	4	5	10
STURGEON	0	0	0	0	0	0	0	1	6	6	13
VERREVILLE	0	0	0	0	0	0	0	0	1	5	6
WETONA	0	0	0	0	1	0	0	1	6	6	14
ALBERTA	0	0	1	1	3	1	5	33	92	183	319

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983
CHRONIC OBSTRUCTIVE LUNG DISEASE

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	36	181	372
ALBERTA WEST CENTRAL	0	0	0	0	24	0	0	0	0	551
ATHABASCA	0	0	0	0	0	56	0	95	0	625
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	187	295
BIG COUNTRY	0	0	0	0	0	0	0	0	512	398
CALGARY	0	0	2	0	0	0	3	51	202	816
CHINOOK	0	0	0	0	0	0	0	0	144	221
DRUMHELLER	0	0	0	0	0	0	0	66	380	441
EDMONTON	0	0	0	2	2	0	4	45	183	680
FOOTHILLS	0	0	0	0	0	0	0	149	204	350
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1887
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	2899
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	22	74	72	524
LETHBRIDGE	0	0	0	0	0	0	0	84	223	822
MEDICINE HAT	0	0	0	0	0	0	0	0	91	619
MINIBURN-VERMILION	0	0	0	0	0	0	0	40	167	385
MOUNT VIEW	0	0	0	0	0	0	0	0	152	684
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	175	506
PEACE RIVER	0	0	0	0	0	0	0	0	211	439
RED DEER	0	0	0	0	0	0	0	25	151	467
SOUTH PEACE	0	0	0	0	0	0	80	0	0	972
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	49	346	926
STURGEON	0	0	0	0	0	0	0	34	348	528
VEGREVILLE	0	0	0	0	0	0	0	0	70	526
WETOKA	0	0	0	0	31	0	0	57	459	721
ALBERTA	0	0	1	0	1	1	5	40	188	631

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1963

CHRONIC OBSTRUCTIVE LUNG DISEASE

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	19	7	31	17	0.71	.
ALBERTA WEST CENTRAL	18	-3	39	22	0.68	.
ATHABASCA	29	3	54	10	1.09	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	15	0	29	24	0.56	.
BIG COUNTRY	31	-4	65	7	1.17	.
CALGARY	32	25	39	6	1.20	.
CHINOOK	11	0	22	25	0.41	.
DRUMHELLER	31	10	53	6	1.17	.
EDMONTON	28	22	34	12	1.05	.
FOOTHILLS	27	5	49	13	1.02	.
FORT McMURRAY	46	-44	135	3	1.73	.
HIGH LEVEL-FORT VERNILION	70	-27	167	1	2.63	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	23	7	39	14	0.86	.
LETHBRIDGE	35	18	52	5	1.32	.
MEDICINE HAT	19	6	31	18	0.71	.
MIDBURN-VERMILION	20	4	36	16	0.75	.
MOUNT VIEW	23	6	40	15	0.86	.
NORTH EASTERN ALBERTA	19	4	35	19	0.71	.
PEACE RIVER	19	2	36	20	0.71	.
RED DEER	19	8	30	21	0.71	.
SOUTH PEACE	31	11	51	9	1.17	.
STONY PLAIN-LAC STE. ANNE	40	15	65	4	1.50	.
STURGEON	29	13	45	11	1.09	.
VEGREVILLE	16	3	28	23	0.60	.
WETOKA	47	21	72	2	1.77	.
ALBERTA	27	24	30			

CHRONIC OBSTRUCTIVE LUNG DISEASE, MALES, 1983



NUMBER OF DEATHS, 1993

MALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	0	0	0	3	1	3	7
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	0	0	1
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	1	0	2
ATHABASCA	0	0	0	0	0	0	0	0	1	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WALKER	0	0	0	0	0	0	1	0	0	1	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	4	6	7	7	3	6	33
CHINOOK	0	0	0	0	0	0	0	1	1	0	2
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	0	0	0	0	2	6	9	13	9	1	40
FOOTHILLS	0	0	0	0	1	1	1	1	0	0	4
FORT MCMURRAY	0	0	0	0	0	1	0	0	0	0	1
HIGH LEVEL-FORT VERNILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	1	0	0	1
LEDUC-STRAITHCONA	0	0	0	0	1	1	1	1	3	1	8
LETHBRIDGE	0	0	0	0	1	0	1	3	2	1	8
MEDICINE HAT	0	0	0	0	1	1	2	1	1	0	6
MIDNIGHT-VERMILLION	0	0	0	0	0	0	0	0	0	1	1
MOUNT VERN	0	0	0	0	0	1	0	3	0	0	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	0	0	1
PEACE RIVER	0	0	0	0	0	1	1	0	0	0	2
RED BEER	0	0	0	0	0	2	0	1	3	0	6
SOUTH PEACE	0	0	0	0	0	0	0	3	0	0	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	1	0	2	2	0	0	5
STURGEON	0	0	0	0	0	0	2	1	0	0	3
VERMILLION	0	0	0	0	0	0	0	0	0	1	1
WETOKA	0	0	0	0	2	0	0	0	0	0	2
ALBERTA	0	0	0	0	13	20	27	44	25	15	164

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

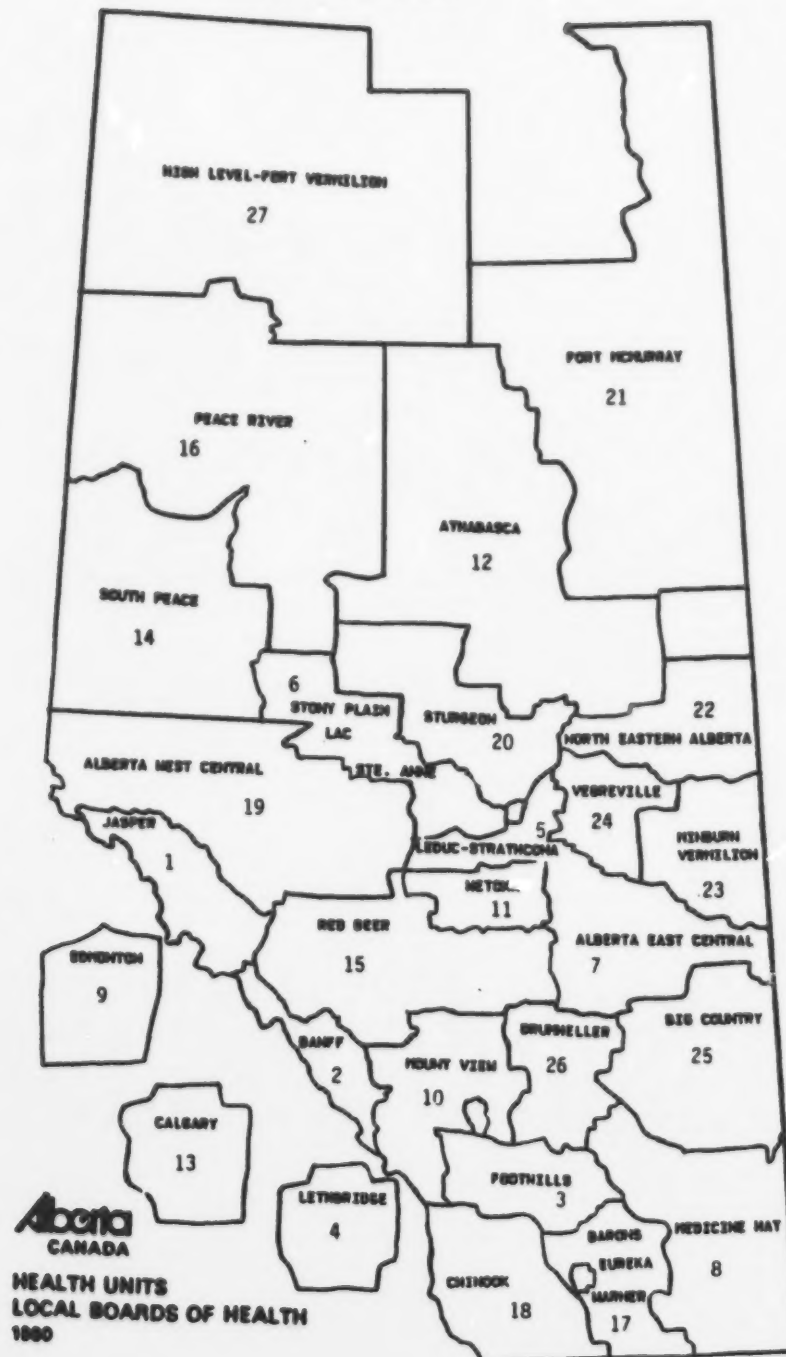
CIRRHOSIS

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	109	45	223
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	67	0	0
ATHABASCA	0	0	0	0	0	0	0	95	139	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1202	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	52	0	0	147
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	0	0	0	0	0
CHINOOK	0	0	0	0	5	14	24	36	30	107
DRUMHELLER	0	0	0	0	0	0	0	56	72	0
EDMONTON	0	0	0	0	0	0	0	0	0	0
FOOTHILLS	0	0	0	0	3	10	33	65	62	16
FORT MCMURRAY	0	0	0	0	33	43	63	75	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	893	0	0
LETHBRIDGE	0	0	0	0	10	11	22	37	217	131
MEDICINE HAT	0	0	0	0	19	0	36	126	112	82
MIDBURN-VERMILION	0	0	0	0	14	23	58	31	46	0
MOUNT VIEW	0	0	0	0	0	0	0	0	0	128
NORTH EASTERN ALBERTA	0	0	0	0	0	22	0	142	0	0
PEACE RIVER	0	0	0	0	0	0	0	60	0	0
RED DEER	0	0	0	0	0	40	48	0	0	0
SOUTH PEACE	0	0	0	0	0	29	0	25	113	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	161	0	0
STURGEON	0	0	0	0	14	0	71	97	0	0
VERREVILLE	0	0	0	0	0	0	44	34	0	0
WETOKA	0	0	0	0	0	0	0	0	0	105
ALBERTA	0	0	0	0	62	0	0	0	0	0
					5	13	25	54	51	52

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	CIRRHOSIS	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	15	4	26	7	1.25	.	
ALBERTA WEST CENTRAL	6	-6	18	19	0.50	.	
ATHABASCA	12	-5	29	12	1.00	.	
BANFF NATIONAL PARK	52	-50	155	2	4.33	.	
BARONS-EUREKA-WARNER	8	-3	20	17	0.67	.	
BIG COUNTRY	0	0	0	25	0.00	.	
CALGARY	11	7	15	13	0.92	.	
CHINOOK	7	-3	17	18	0.50	.	
DRUMHELLER	0	0	0	26	0.00	.	
EDMONTON	14	10	19	9	1.17	.	
FOOTHILLS	23	0	46	3	1.92	.	
FORT MCMURRAY	5	-5	14	21	0.42	.	
HIGH LEVEL-FORT VERNILION	0	0	0	27	0.00	.	
JASPER NATIONAL PARK	61	-59	180	1	5.00	.	
LEDUC-STRATHCONA	20	6	34	5	1.67	.	
LETHBRIDGE	23	7	39	4	1.92	.	
MEDICINE HAT	15	3	27	8	1.25	.	
MIDGURN-VERMILION	3	-3	9	23	0.25	.	
MOUNT VERN	13	0	25	10	1.00	.	
NORTH EASTERN ALBERTA	4	-4	12	22	0.33	.	
PEACE RIVER	9	-4	23	16	0.75	.	
RED DEER	10	2	18	15	0.63	.	
SOUTH PEACE	11	-1	23	14	0.92	.	
STONY PLAIN-LAC STE. ANNE	16	2	30	6	1.33	.	
STURGEON	6	-1	14	20	0.50	.	
VEGREVILLE	3	-2	8	24	0.25	.	
WETOKA	13	-5	31	11	1.00	.	
ALBERTA	12	10	14				

CIRRHOSIS, MALES, 1983



NUMBER OF DEATHS, 1983

MALES

	CONSENSITAL ANOMALY										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	2	0	0	0	0	0	0	0	0	0	2
ALBERTA EAST CENTRAL	0	0	0	1	0	0	0	0	0	0	1
ALBERTA WEST CENTRAL	0	1	0	0	0	0	0	0	0	0	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	2	0	0	0	0	0	0	0	0	0	2
BARONS-EUREKA-WARNER	1	0	0	0	0	0	0	0	0	0	1
BIG COUNTRY	7	2	0	2	1	0	2	0	0	2	16
CALGARY	0	0	0	1	0	0	0	1	0	0	2
CHIDOKO	0	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	16	2	0	2	3	1	0	0	0	0	24
FOOTHILLS	0	0	1	0	0	0	0	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERRILLION	1	0	0	0	0	0	0	0	0	1	2
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	2	0	1	2	0	0	0	0	0	1	6
LETHBRIDGE	3	0	0	0	0	0	0	0	0	0	3
MEDICINE HAT	1	0	0	0	1	0	0	0	0	0	2
MIDBURN-VERMILION	2	0	0	0	0	0	0	0	0	1	3
MOUNT VERN	3	0	0	0	0	1	0	0	0	0	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	2	0	0	0	0	0	0	0	0	0	2
RED DEER	1	0	0	0	0	0	0	0	0	0	1
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	0	0	1
STURGEON	2	0	0	0	0	0	0	0	0	0	2
VERMILION	0	0	0	0	0	0	0	0	0	0	0
WETOKA	1	0	0	0	0	0	0	0	0	0	1
ALBERTA	46	5	2	8	5	2	2	2	0	5	77

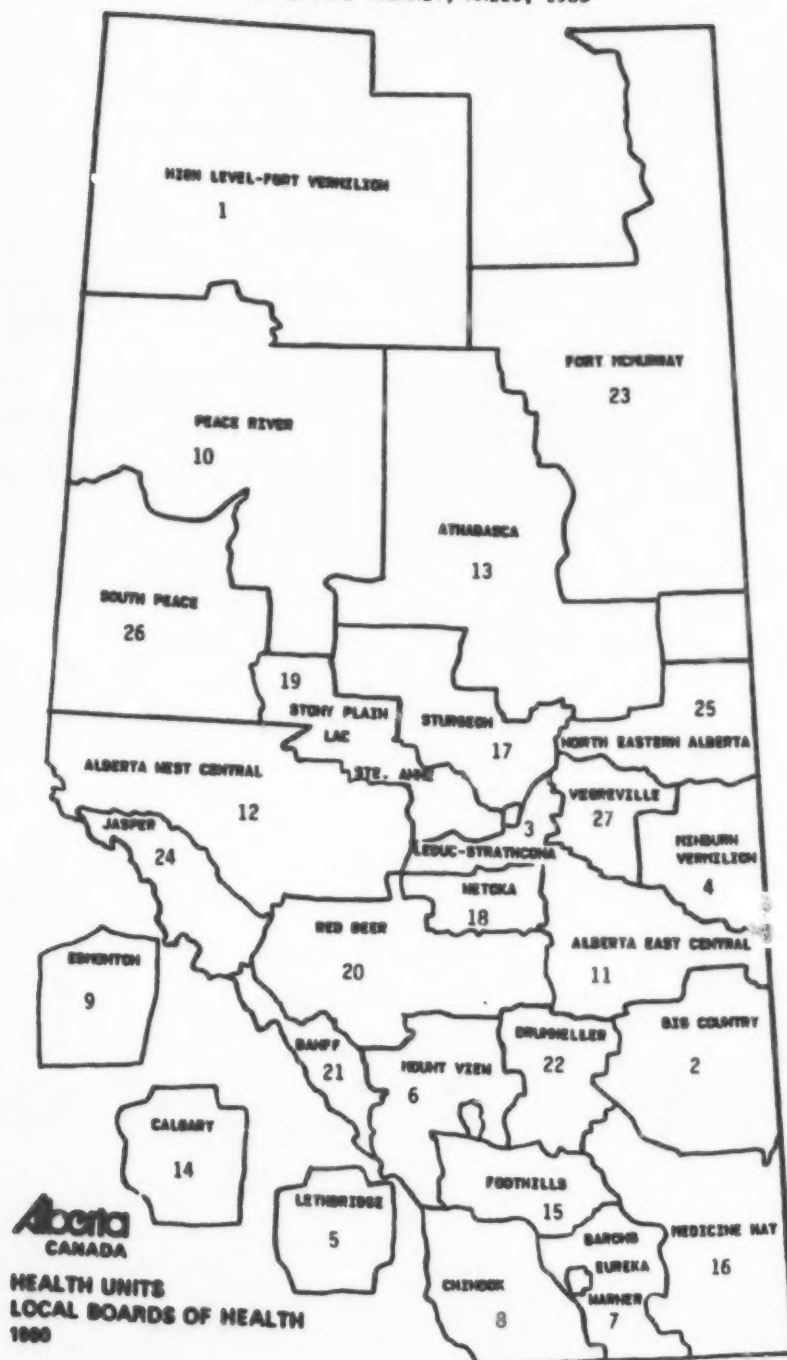
AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

	CONGENITAL ANOMALY										
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALBERTA EAST CENTRAL	429	0	0	0	0	0	0	0	0	0	
ALBERTA WEST CENTRAL	0	0	0	24	0	0	0	0	0	0	
ATNABASCA	0	61	0	0	0	0	0	0	0	0	
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
BARONS-EUREKA-WARNER	505	0	0	0	0	0	0	0	0	0	
BIG COUNTRY	833	0	0	0	0	0	0	0	0	0	
CALGARY	141	11	0	3	1	0	7	0	0	36	
CHINOOK	0	0	0	26	0	0	0	50	0	0	
DORSMIELLER	0	0	0	0	0	0	0	0	0	0	
EDMONTON	346	12	0	3	5	3	0	0	0	0	
FOOTHILLS	0	0	34	0	0	0	0	0	0	0	
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	
HIGH LEVEL-FORT VERNILION	556	0	0	0	0	0	0	0	0	1449	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
LEDUC-STRAITHCONA	218	0	9	22	0	0	0	0	0	131	
LETHBRIDGE	645	0	0	0	0	0	0	0	0	0	
MEDICINE HAT	139	0	0	0	14	0	0	0	0	0	
MIDBURN-VERMILION	570	0	0	0	0	0	0	0	0	120	
MOUNT VIEW	494	0	0	0	0	22	0	0	0	0	
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	
PEACE RIVER	461	0	0	0	0	0	0	0	0	0	
RED DEER	96	0	0	0	0	0	0	0	0	0	
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	49	0	0	
STURGEON	218	0	0	0	0	0	0	0	0	0	
VEGREVILLE	0	0	0	0	0	0	0	0	0	0	
WETOKA	256	0	0	0	0	0	0	0	0	0	
ALBERTA	222	6	1	3	2	1	2	2	0	17	

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	CONGENITAL ANOMALY					RANK	RATIO	SIG
	RATE	LOWER	UPPER	UPPER	UPPER			
ALBERTA EAST CENTRAL	7	-3	18	11	1.09			
ALBERTA WEST CENTRAL	5	-5	14	12	0.78			
ATHABASCA	5	-5	16	13	0.78			
BANFF NATIONAL PARK	0	0	0	21	0.00			
BARONS-EUREKA-WARNER	9	-3	21	7	1.40			
BIG COUNTRY	14	-14	43	2	2.10			
CALGARY	5	3	6	14	0.78			
CHINOOK	9	-4	22	6	1.40			
DRUMHELLER	0	0	0	22	0.00			
EDMONTON	9	5	12	9	1.40			
FOOTHILLS	5	-5	15	15	0.78			
FORT MCMURRAY	0	0	0	23	0.00			
HIGH LEVEL-FORT VERMILION	45	-27	116	1	7.01			
JASPER NATIONAL PARK	0	0	0	24	0.00			
LEDUC-STRAITHCONA	13	2	23	3	2.03			
LETHBRIDGE	11	-2	24	5	1.71			
MEDICINE HAT	5	-2	13	16	0.78			
MIDGURN-VERMILION	13	-2	28	4	2.03			
MOUNT VIEW	11	0	22	6	1.71			
NORTH EASTERN ALBERTA	0	0	0	25	0.00			
PEACE RIVER	0	-3	20	10	1.25			
RED DEER	2	-2	5	20	0.31			
SOUTH PEACE	0	0	0	26	0.00			
STONY PLAIN-LAC STE. ANNE	3	-3	10	19	0.47			
STURGEON	4	-1	9	17	0.62			
VEGREVILLE	0	0	0	27	0.00			
WETOKA	4	-4	13	16	0.62			
ALBERTA	6	5	6					

CONGENITAL ANOMALY, MALES, 1983



NUMBER OF DEATHS, 1963

MALES

MOTOR VEHICLE ACCIDENTS

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
UMA	0	1	1	0	5	3	3	1	0	0	14
ALBERTA EAST CENTRAL	0	0	0	1	2	0	0	1	0	1	5
ALBERTA WEST CENTRAL	0	0	2	4	1	0	0	0	0	0	7
ATHABASCA	0	0	0	1	1	0	0	0	0	0	2
BANFF NATIONAL PARK	0	0	1	0	2	2	0	1	0	0	6
BARONS-EUREKA-HANMER	0	0	0	0	0	0	0	0	0	1	2
BIG COUNTRY	0	0	0	1	0	0	0	0	0	2	50
CALGARY	0	0	4	25	15	4	2	4	2	2	9
CHINOOK	0	0	1	3	1	1	1	1	1	0	5
CRUMPELLER	0	0	0	1	1	1	2	0	0	0	5
EDMONTON	0	1	2	14	11	2	2	1	1	7	41
FOOTHILLS	0	0	0	0	2	0	0	0	0	0	2
FORT MCMURRAY	0	0	0	1	2	2	0	0	0	0	5
HIGH LEVEL-FORT VERRILLION	0	0	0	3	0	0	0	0	0	0	3
JASPER NATIONAL PARK	0	0	1	0	0	0	0	0	0	0	1
LEDUC-STRAITHCONA	0	0	2	4	3	1	3	2	0	0	15
LETHBRIDGE	0	0	0	1	0	1	1	0	1	0	4
MEDICINE HAT	0	1	1	9	2	1	0	1	0	0	15
MIDBURN-VERMILION	0	0	0	2	1	0	1	0	0	0	4
MOUNT VERN	0	0	0	6	2	1	0	0	0	0	9
NORTH EASTERN ALBERTA	0	2	0	5	1	1	0	0	0	0	9
PEACE RIVER	1	0	0	1	3	0	1	1	1	0	7
RED DEER	0	0	1	7	4	2	3	1	1	2	21
SOUTH PEACE	0	0	1	2	0	0	1	1	0	0	5
STONY PLAIN-LAC STE. ANNE	0	0	1	3	3	1	2	0	1	0	11
STURGEON	1	1	2	2	3	2	2	1	0	1	15
VEERVILLE	0	0	0	5	1	0	1	2	0	1	10
WETOKA	0	0	0	7	0	0	0	0	0	1	8
ALBERTA	2	6	20	108	66	25	25	18	7	16	293

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1963

MOTOR VEHICLE ACCIDENTS

	1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LMA	0	53	22	0	116	92	110	36	0	0
ALBERTA EAST CENTRAL	0	0	0	24	47	0	0	87	0	275
ALBERTA WEST CENTRAL	0	0	62	151	43	0	0	0	0	0
ATHABASCA	0	0	0	145	130	0	0	0	0	0
BANFF NATIONAL PARK	0	0	26	0	62	61	0	62	0	0
BARONS-EUREKA-HARNER	0	0	0	85	0	0	0	0	0	398
BIG COUNTRY	0	0	9	37	20	9	7	21	20	36
CALGARY	0	0	26	78	30	41	54	58	72	0
CHINOOK	0	0	0	31	33	48	131	0	0	0
DRUMHELLER	0	6	6	22	17	6	7	5	9	113
EDMONTON	0	0	0	0	67	0	0	0	0	0
FOOTHILLS	0	0	0	27	41	75	0	0	0	0
FORT MCMURRAY	0	0	0	240	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	498	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	19	45	29	11	65	74	0	0
LETHBRIDGE	0	0	0	19	0	32	38	0	56	0
MEDICINE HAT	0	36	16	120	27	23	0	31	0	0
MINSBURN-VERMILION	0	0	0	53	30	0	58	0	0	0
MOUNT VIEW	0	0	0	107	30	22	0	0	0	0
NORTH EASTERN ALBERTA	0	105	0	115	20	34	0	0	0	0
PEACE RIVER	240	0	0	24	86	0	48	69	0	0
RED DEER	0	0	11	60	35	29	60	25	36	133
SOUTH PEACE	0	0	19	31	0	0	40	54	0	0
STONY PLAIN-LAC STE. ANNE	0	0	16	54	43	20	71	0	87	0
STURGEON	109	26	22	25	32	27	44	34	0	88
VEGREVILLE	0	0	0	210	45	0	64	121	0	105
WETOKA	0	0	0	197	0	0	0	0	0	120
ALBERTA	10	7	11	45	26	16	23	22	14	55

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

MOTOR VEHICLE ACCIDENTS

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	55	26	85	4	2.25	YES
ALBERTA WEST CENTRAL	27	3	51	19	1.11	.
ATHABASCA	49	12	86	6	2.01	.
BANFF NATIONAL PARK	56	-22	135	3	2.29	.
BARONS-EUREKA-WARNER	32	6	57	14	1.31	.
BIG COUNTRY	27	-12	65	20	1.11	.
CALGARY	18	13	23	23	0.74	.
CHINOOK	43	14	71	7	1.76	.
DRUMHELLER	31	4	59	15	1.27	.
EDMONTON	14	10	19	25	0.57	.
FOOTHILLS	14	-5	33	26	0.57	.
FORT MCMURRAY	24	3	44	21	0.98	.
HIGH LEVEL-FORT VERMILION	50	-7	106	5	2.05	.
JASPER NATIONAL PARK	76	-73	225	1	3.11	.
LEDUC-STRATHCONA	30	15	46	18	1.23	.
LETHBRIDGE	14	0	27	27	0.57	.
MEDICINE HAT	40	20	60	9	1.64	.
MINIBURN-VERMILION	22	0	44	22	0.90	.
MOUNT VIEW	31	11	51	16	1.27	.
NORTH EASTERN ALBERTA	40	14	67	10	1.64	.
PEACE RIVER	36	9	63	12	1.47	.
RED DEER	37	21	52	11	1.51	.
SOUTH PEACE	17	2	31	24	0.70	.
STONY PLAIN-LAC STE. ANNE	35	14	56	13	1.43	.
STURGEON	31	15	46	17	1.27	.
VEGREVILLE	68	24	113	2	2.78	YES
METOKA	42	13	72	8	1.72	.
ALBERTA	24	22	27			

MOTOR VEHICLE ACCIDENTS, MALES, 1983



NUMBER OF DEATHS, 1983

	MALES										
	SUICIDE										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	1	0	1	0	1	1	0	4
ALBERTA EAST CENTRAL	0	0	0	2	4	2	0	2	1	0	11
ALBERTA WEST CENTRAL	0	0	0	2	2	1	0	0	1	0	6
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	1	1	1	0	0	0	0	3
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	1	0	1
BIG COUNTRY	0	0	1	12	27	12	13	4	3	3	75
CALGARY	0	0	0	1	1	0	1	0	0	0	3
CHINOOK	0	0	0	0	1	2	0	0	0	0	3
DRUMHELLER	0	0	0	15	23	13	9	5	0	0	73
EDMONTON	0	0	0	1	1	0	0	0	0	0	2
FOOTHILLS	0	0	0	2	2	1	0	1	0	1	7
FORT MCMURRAY	0	0	0	0	1	0	0	0	0	0	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	2	1	0	0	10
LEBUC-STRAITHCONA	0	0	0	5	2	0	2	1	1	1	8
LETHBRIDGE	0	0	0	0	3	0	0	0	1	0	7
MEDICINE HAT	0	0	0	5	1	1	0	1	0	0	6
KINDERMUN-VERMILLION	0	0	0	3	1	1	0	0	1	0	5
MOUNT VERN	0	0	0	1	1	1	1	0	1	0	14
NORTH EASTERN ALBERTA	0	0	0	5	2	3	1	2	0	0	4
PEACE RIVER	0	0	0	1	0	1	1	1	0	0	15
RED DEER	0	0	1	4	4	1	3	1	1	0	6
SOUTH PEACE	0	0	0	4	0	0	0	2	0	0	13
STONY PLAIN-LAC STE. ANNE	0	0	0	4	5	2	1	1	0	0	17
STURGEON	0	0	0	2	5	1	5	1	2	1	2
VERMILLION	0	0	0	1	0	1	0	0	0	0	8
WETOKA	0	0	0	4	2	1	1	0	0	0	8
ALBERTA	0	0	2	76	89	45	40	24	22	6	304

AGE-SPECIFIC DEATH RATES (PER 100,000 MALES), 1983

	SUICIDE										
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALBERTA EAST CENTRAL	0	0	0	20	0	31	0	36	45	0	
ALBERTA WEST CENTRAL	0	0	0	47	95	74	0	175	167	0	
ATHABASCA	0	0	0	76	86	56	0	0	139	0	
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
BARKS-EUREKA-WARNER	0	0	0	26	31	41	0	0	0	0	
BIG COUNTRY	0	0	0	0	0	0	0	0	256	0	
CALGARY	0	0	2	18	35	28	45	21	30	53	
CHINOOK	0	0	0	26	30	0	54	0	0	0	
DRUMHELLER	0	0	0	0	33	95	0	0	0	0	
EDMONTON	0	0	0	24	36	39	33	25	73	0	
FOOTHILLS	0	0	0	37	33	0	0	0	0	0	
FORT MCMURRAY	0	0	0	54	41	38	0	227	0	1887	
HIGH LEVEL-FORT VERMILION	0	0	0	0	99	0	0	0	0	0	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
LEDUC-STRAITHCONA	0	0	0	56	19	0	43	37	0	0	
LETHBRIDGE	0	0	0	0	58	0	76	42	56	82	
MEDICINE HAT	0	0	0	67	14	0	0	0	46	0	
MIDBURN-VERMILION	0	0	0	79	30	46	0	60	0	0	
MOUNT VIEW	0	0	0	18	15	22	32	0	76	0	
NORTH EASTERN ALBERTA	0	0	0	115	55	102	49	120	88	0	
PEACE RIVER	0	0	0	24	0	40	48	69	0	0	
RED DEER	0	0	11	34	35	14	60	25	38	0	
SOUTH PEACE	0	0	0	62	0	0	0	108	0	0	
STONY PLAIN-LAC STE. ANNE	0	0	0	72	72	40	36	49	0	0	
STURGEON	0	0	0	25	54	13	111	34	116	88	
VEGREVILLE	0	0	0	42	0	54	0	0	0	0	
WETOKA	0	0	0	112	62	42	53	0	0	0	
ALBERTA	0	0	1	32	35	29	37	29	45	21	

AGE-STANDARDIZED DEATH RATES (PER 100,000 MALES), 1983

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	12	0	25	24	0.47	.
ALBERTA WEST CENTRAL	50	23	92	3	2.29	YES
ATHABASCA	46	9	83	4	1.82	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	17	-2	36	19	0.67	.
BIG COUNTRY	10	-10	31	25	0.39	.
CALGARY	23	10	28	12	0.91	.
CHINOOK	16	-2	35	20	0.63	.
DRUMHELLER	19	-3	41	16	0.75	.
EDMONTON	25	19	31	11	0.99	.
FOOTHILLS	14	-6	34	23	0.55	.
FORT MCMURRAY	85	-12	182	1	3.35	.
HIGH LEVEL-FORT VERRILLION	21	-20	61	14	0.83	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRAITHCONA	22	0	35	13	0.87	.
LETHBRIDGE	26	0	45	9	1.03	.
MEDICINE HAT	18	5	32	18	0.71	.
KINGSBURN-VERMILION	32	6	50	8	1.26	.
MOUNT VERN	16	2	29	21	0.63	.
NORTH EASTERN ALBERTA	64	30	90	2	2.53	YES
PEACE RIVER	19	0	30	17	0.75	.
RED DEER	26	13	40	10	1.03	.
SOUTH PEACE	20	4	36	15	0.79	.
STONY PLAIN-LAC STE. ANNE	41	19	64	6	1.62	.
STURGEON	37	20	55	7	1.46	.
VEGREVILLE	15	-6	37	22	0.59	.
WETOKA	46	14	78	5	1.82	.
ALBERTA	25	22	28			

SUICIDE, MALES, 1983



Chapter 3. DEATHS – FEMALES



NUMBER IN POPULATION, FEMALES, 1963

	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA											
ALBERTA EAST CENTRAL	474	1800	4268	4532	4094	3145	2613	2829	2214	1613	27582
ALBERTA WEST CENTRAL	413	1546	3470	3761	3695	2301	1400	1008	580	345	18699
ATLABASCA	267	1135	2984	2592	2227	1593	1174	952	660	425	13979
BANFF NATIONAL PARK	25	91	132	785	604	222	182	160	106	66	2373
BARKS-EUREKA-WARNER	393	1555	3647	3299	3087	2285	1735	1650	1113	740	19504
BIG COUNTRY	166	430	975	1028	925	658	587	647	370	309	6035
CALGARY	4805	17709	40851	64793	66854	39566	27762	21132	13467	9724	306743
CHINOOK	400	1572	3795	3506	3152	2227	1824	1943	1424	1044	20895
DRUMHELLER	277	1183	2791	2593	2731	1870	1486	1575	1095	674	16275
EDMONTON	4306	15778	34284	62000	55878	33148	26227	21890	14286	9990	277787
FOOTHILLS	242	1118	2661	2551	2053	2132	1449	1376	1002	649	16053
FORT McMURRAY	413	1530	3313	3643	4197	2010	726	341	95	50	16318
HIGH LEVEL-FORT VERMILION	166	748	1529	1178	865	591	332	203	111	72	5795
JASPER NATIONAL PARK	20	64	178	464	362	194	166	107	74	50	1679
LEDUC-STRAITHCONA	887	4054	10111	7603	11019	7950	3889	2492	1408	917	50330
LETHBRIDGE	434	1656	3814	5529	5011	3263	2717	2762	2285	1696	29167
MEDICINE HAT	691	2601	5871	7066	6672	4300	3195	3410	2383	1575	37784
MIDBURN-VERMILION	298	1230	2857	3228	2951	1950	1600	1555	1202	873	17744
MOUNT VERN	685	2278	5025	5049	6240	4050	2701	1993	1300	768	30089
NORTH EASTERN ALBERTA	419	1723	4244	3982	3472	2670	1777	1533	1039	762	21621
PEACE RIVER	358	1637	3872	3721	3320	2389	1698	1306	866	635	19822
RED BEAR	988	3911	8577	11233	10388	6694	4560	4151	2810	1879	55091
SOUTH PEACE	580	2413	5867	5798	5613	3358	2186	1697	986	751	28449
STONY PLAIN-LAC STE. ANNE	625	2646	5858	5213	6646	4236	2286	1729	996	624	30859
STURGEON	837	3490	8547	7226	9327	6598	3765	2573	1719	1227	45309
VERMILION	232	960	2321	1977	2236	1659	1465	1695	1367	1086	14918
WETOKA	328	1368	3185	3233	3180	2263	1818	1792	1344	895	19406
ALBERTA	19597	76206	174197	227603	227599	143402	101400	84501	56402	39399	1150306

AGE DISTRIBUTIONS (IN %), FEMALES, 1963

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LMA										
ALBERTA EAST CENTRAL	2	7	15	16	15	11	9	10	8	6
ALBERTA WEST CENTRAL	2	8	19	20	20	13	8	5	3	2
ATHABASCA	2	8	21	19	16	11	8	7	5	3
BANFF NATIONAL PARK	1	4	6	33	25	9	8	7	4	3
BANNOCK-BURRUKA-WARREN	2	8	19	17	16	12	9	8	6	4
BIS COUNTRY	2	7	16	17	15	11	10	11	6	5
CALGARY	2	6	13	21	22	13	9	7	4	3
CHINOOK	2	8	18	17	15	11	9	9	7	5
DRUMHELLER	2	7	17	16	17	11	9	10	7	4
EDMONTON	2	6	12	22	20	12	9	8	5	4
FOOTHILLS	2	7	17	16	18	13	9	9	6	4
FORT MCMURRAY	3	9	20	22	26	12	4	2	1	0
HIGH LEVEL-FORT VERRILLION	3	13	26	20	15	10	6	4	2	1
JASPER NATIONAL PARK	1	4	11	20	22	12	10	6	4	3
LEDUC-STRAITHCONA	2	8	20	15	22	16	8	5	3	2
LETHBRIDGE	1	6	13	19	17	11	9	9	8	6
MEDICINE HAT	2	7	16	19	18	11	8	9	6	4
KIDUSH-VERMILLION	2	7	16	18	17	11	9	9	7	5
MOUNT VERN	2	8	17	17	21	13	9	7	5	3
NORTH EASTERN ALBERTA	2	8	20	18	16	12	8	7	5	4
PEACE RIVER	2	8	20	19	17	12	9	7	4	3
RED DEER	2	7	16	20	19	12	8	8	5	3
SOUTH PEACE	2	8	18	20	20	12	8	6	3	3
STONY PLAIN-LAC STE. ANNE	2	9	19	17	22	14	7	6	3	2
STURGEON	2	8	19	16	21	15	8	6	4	3
VERREVILLE	2	6	16	13	15	11	10	11	9	7
WETOKA	2	7	16	17	16	12	9	9	7	5
ALBERTA	2	7	15	20	20	12	9	7	5	3

FEMALES

LMA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	2	1	3	1	6	2	6	12	15	117	185
ALBERTA WEST CENTRAL	4	2	1	2	2	2	3	11	16	21	64
ATHABASCA	3	1	2	1	3	3	4	6	11	34	68
BANFF NATIONAL PARK	1	0	0	1	2	0	1	1	3	1	10
BARKING-BURKHA-WANIER	0	2	0	2	1	1	0	6	13	47	80
BIRCH COUNTRY	0	0	1	0	1	0	2	3	4	13	24
CALGARY	40	2	0	14	33	50	61	155	252	648	1291
CHINOOK	2	2	1	3	1	7	4	14	24	74	132
COCKSCHELLER	4	0	0	3	0	1	3	9	24	41	85
EDMONTON	52	7	7	21	34	52	65	140	256	647	1309
FOOTHILLS	3	0	1	0	3	1	5	8	16	36	73
FORT McMURRAY	3	2	2	2	2	2	2	1	3	6	25
HORN LEVEL-FORT VERMILION	1	0	0	1	0	0	1	3	2	7	15
JASPER NATIONAL PARK	1	0	0	0	0	0	0	0	0	5	6
LESLIE-STRAITHCOMB	4	0	1	1	2	0	7	15	27	60	125
LETHBRIDGE	4	1	0	2	5	6	5	11	36	113	183
MEDICINE HAT	3	5	1	4	1	2	11	26	46	98	197
MOOSEHEAD-VERMILION	4	0	1	4	3	4	3	10	14	67	110
MOUNT VERNON	3	2	0	6	5	4	10	10	27	57	124
NORTH EASTERN ALBERTA	7	1	0	1	4	4	3	16	12	29	77
PEACE RIVER	0	0	0	3	2	1	7	13	16	41	83
RED BEAR	14	0	2	5	0	10	17	32	40	127	263
SOUTH PEACE	4	1	1	7	2	5	15	6	14	47	102
STONY PLAIN-LAC STE. ANNE	9	3	1	5	6	6	9	16	27	47	129
STURGEON	4	3	1	5	3	4	11	17	27	69	144
VERMILION	1	1	1	3	1	0	4	14	25	73	123
WETASKAN	5	0	0	3	5	2	13	17	17	65	127
ALBERTA	106	36	35	100	135	177	300	580	995	2610	5154

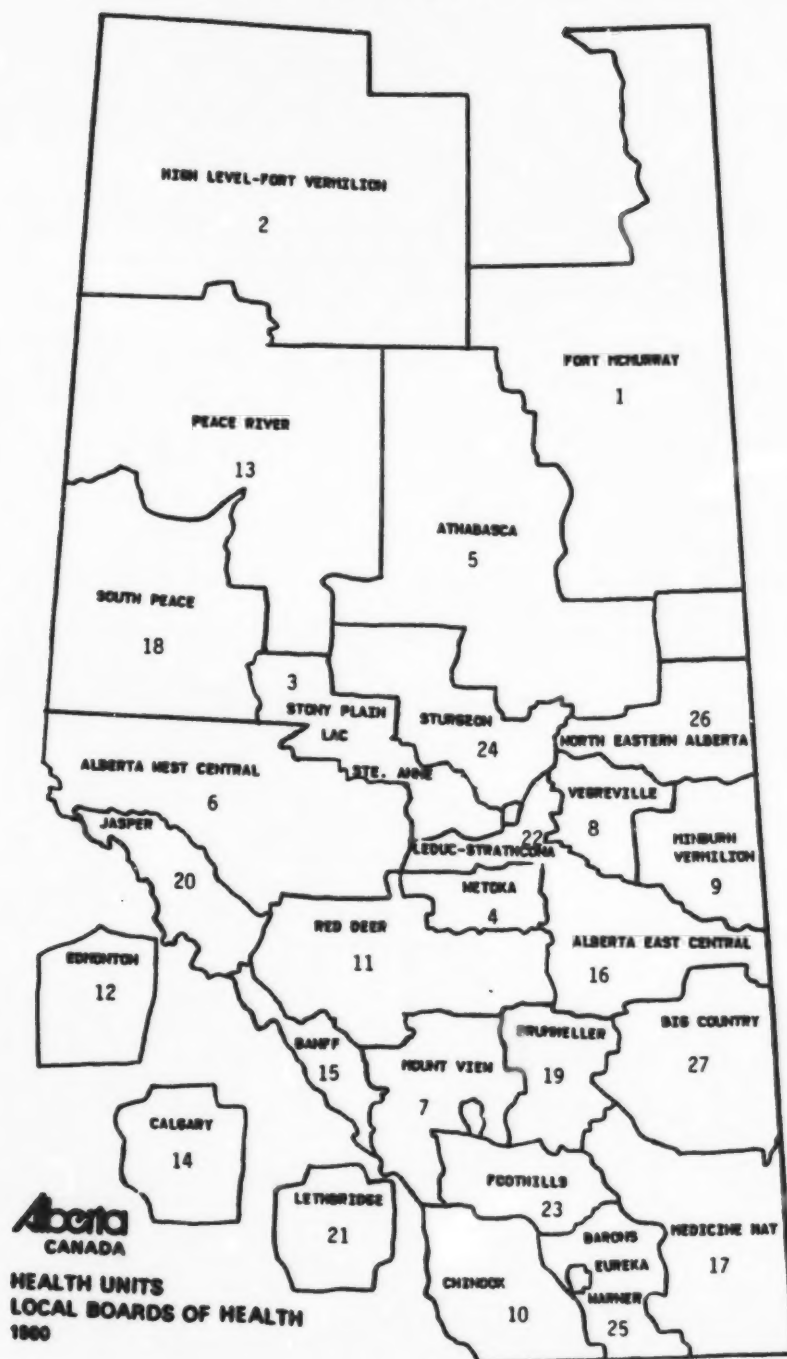
LWA	ALL-CAUSES									
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	422	56	70	22	147	64	230	424	1501	7254
ALBERTA WEST CENTRAL	969	129	29	53	54	84	203	1091	2759	5753
ATHABASCA	1124	88	68	39	135	188	341	630	1667	8000
BANFF NATIONAL PARK	4000	0	0	127	331	0	549	625	2030	1515
BARONS-EUREKA-WARNER	0	129	0	61	32	44	461	364	1168	6351
BIG COUNTRY	0	0	103	0	108	0	341	464	1081	4207
CALGARY	999	11	20	22	49	126	220	733	1871	6870
CHINOOK	490	127	26	86	32	314	219	721	1685	7058
GRUPWELLER	1444	0	0	116	0	53	202	571	2192	6003
EDMONTON	1208	44	20	34	61	157	324	676	1792	6476
FOOTHILLS	1240	0	38	0	105	47	345	561	1597	5301
FORT MCMURRAY	726	131	60	55	48	100	275	293	3158	12000
HIGH LEVEL-FORT VERMILION	602	0	0	85	0	0	301	1470	1802	9722
JASPER NATIONAL PARK	5000	0	0	0	0	0	0	0	0	10000
LEDUC-STRAITHCONA	451	0	10	13	18	101	180	602	1918	6543
LETHBRIDGE	922	60	0	36	100	184	184	390	1575	6463
MEDICINE HAT	434	192	17	56	15	47	344	762	1930	6222
KIMBURN-VERMILION	1342	0	35	124	102	205	188	643	1165	7675
MOUNT VIEW	496	88	0	119	80	99	370	502	1957	7422
NORTH EASTERN ALBERTA	1671	58	0	25	115	150	169	1044	1155	3006
PEACE RIVER	0	0	0	81	60	42	412	995	1806	6457
RED DEER	1417	0	23	45	77	149	373	771	1708	6759
SOUTH PEACE	690	41	20	121	36	149	686	354	1420	6258
STONY PLAIN-LAC STE. ANNE	1440	113	17	96	90	142	394	925	2711	7532
STURGEON	478	86	12	69	32	61	292	641	1571	5623
VEGREVILLE	431	104	43	152	45	0	273	826	1829	7256
WETOKA	1524	0	0	93	157	88	715	949	1265	7263
ALBERTA	949	47	20	44	59	123	296	686	1764	6625

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

ALL-CAUSES

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	440	375	506	16	0.98	.
ALBERTA WEST CENTRAL	491	348	615	6	1.10	.
ATHABASCA	525	400	650	5	1.17	.
BANFF NATIONAL PARK	444	160	728	15	0.99	.
BARONS-EUREKA-HARNER	375	292	457	25	0.84	.
BIG COUNTRY	298	177	420	27	0.67	.
CALGARY	451	426	475	14	1.01	.
CHINOOK	481	397	564	10	1.07	.
DRUMHELLER	430	338	522	19	0.96	.
EDMONTON	453	428	477	12	1.01	.
FOOTHILLS	389	299	479	23	0.87	.
FORT MCMURRAY	675	296	1053	1	1.51	.
HIGH LEVEL-FORT VERRILLION	504	275	892	2	1.30	.
JASPER NATIONAL PARK	428	84	771	20	0.96	.
LEDUC-STRAITHCORN	406	333	479	22	0.91	.
LETHBRIDGE	420	358	483	21	0.94	.
MEDICINE HAT	437	376	498	17	0.98	.
MIDBURN-VERMILION	482	390	574	9	1.08	.
MOUNT VERN	486	399	572	7	1.08	.
NORTH EASTERN ALBERTA	357	277	437	26	0.80	.
PEACE RIVER	452	355	550	13	1.01	.
RED DEER	475	418	533	11	1.06	.
SOUTH PEACE	437	352	523	18	0.98	.
STONY PLAIN-LAC STE. ANNE	503	480	686	3	1.30	YES
STURGEON	367	324	451	24	0.86	.
VEGREVILLE	483	393	572	8	1.08	.
WETOKA	530	437	623	4	1.18	YES
ALBERTA	448	436	460			

ALL-CAUSES, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	1	0	2	0	1	7	16	24	51
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	5	4	3	13
ALBERTA WEST CENTRAL	0	0	0	0	0	2	1	3	0	8	14
ATHABASCA	0	0	0	0	0	0	0	0	2	0	2
BANFF NATIONAL PARK	0	0	0	1	1	0	3	5	4	5	19
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	2	1	1	5
BIG COUNTRY	0	0	0	0	0	12	21	69	92	93	299
CALGARY	0	1	3	0	0	2	2	7	10	6	28
CHINOOK	0	0	0	1	0	0	2	5	7	8	22
BRUNNELLER	0	0	0	0	0	0	36	70	93	106	335
EDMONTON	1	1	0	2	10	16	4	4	6	5	21
FOOTHILLS	0	0	1	0	0	1	0	1	1	1	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	2
HIGH LEVEL-FORT VERMILION	0	0	0	1	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	3	9	10	8	33
LEDUC-STRAITHCONA	0	0	0	0	1	2	3	6	18	14	43
LETHBRIDGE	0	0	0	0	1	1	3	15	18	17	60
MEDICINE HAT	0	0	1	0	1	2	6	5	9	7	26
KINGSBURN-VERMILION	0	0	1	1	0	2	1	3	9	7	28
MOUNT VERNON	0	0	0	0	1	1	7	9	3	3	19
NORTH EASTERN ALBERTA	0	0	0	0	1	2	1	9	3	9	28
PEACE RIVER	0	0	0	0	1	0	3	5	10	9	28
RED DEER	0	0	0	1	1	2	9	15	10	15	53
SOUTH PEACE	0	0	0	0	0	1	6	4	2	6	19
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	4	5	8	3	4	24
STURGEON	0	0	0	0	2	2	6	9	7	5	31
VEREVELLE	0	0	0	1	0	0	0	6	3	13	23
WETOKA	1	0	0	0	0	0	3	7	11	5	27
ALBERTA	2	2	7	8	30	52	125	279	349	374	1228

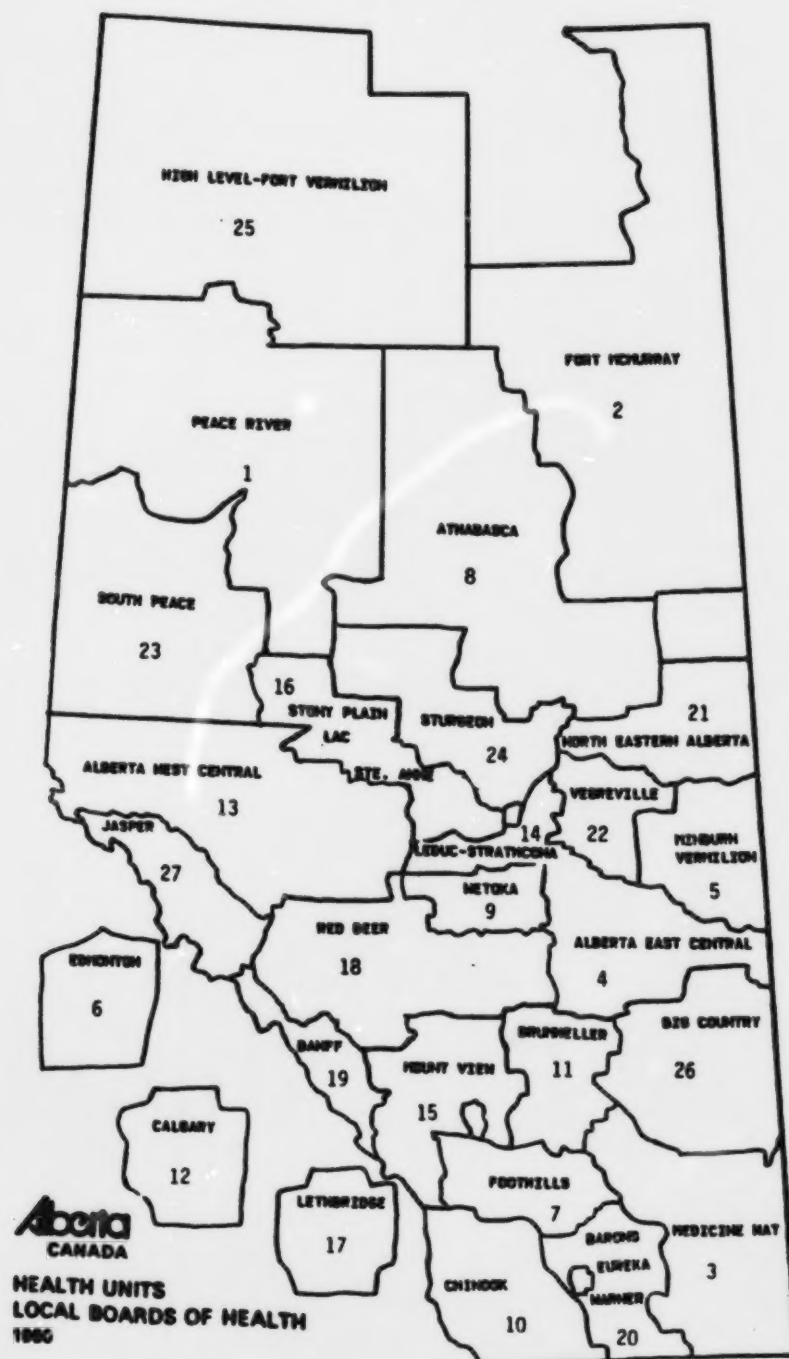
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	ALL-CANCER									
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LHA	0	0	23	0	49	0	38	247	723	1488
ALBERTA EAST CENTRAL	0	0	0	0	0	0	68	496	690	822
ALBERTA WEST CENTRAL	0	0	0	0	0	126	85	315	0	1882
ATHABASCA	0	0	0	0	0	0	0	0	1887	0
BANFF NATIONAL PARK	0	0	0	30	32	0	173	303	359	676
BARONS-EUREKA-WARNER	0	0	0	0	0	0	170	309	270	324
BIG COUNTRY	0	6	7	0	12	30	76	327	683	956
CALGARY	0	0	0	29	0	90	110	360	702	575
CHINOOK	0	0	0	0	0	0	135	317	639	1187
DRUMHELLER	0	0	0	3	16	48	137	320	651	1061
EDMONTON	23	6	38	0	0	47	276	291	599	747
FOOTHILLS	0	0	0	0	0	0	0	293	1053	2000
FORT MCMURRAY	0	0	0	85	0	0	0	0	0	1389
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	9	25	77	361	710	872
LEDUC-STRATHCONA	0	0	0	0	20	31	110	217	788	825
LETHBRIDGE	0	0	0	0	15	47	188	440	755	1079
MEDICINE HAT	0	0	17	0	0	103	63	322	749	802
MINDURN-VERMILION	0	0	35	31	0	25	259	151	652	911
MOUNT VIEW	0	0	0	0	16	75	56	587	289	394
NORTH EASTERN ALBERTA	0	0	0	0	29	0	177	383	1129	1417
PEACE RIVER	0	0	0	9	30	30	197	361	356	798
RED DEER	0	0	0	0	10	30	274	236	203	799
SOUTH PEACE	0	0	0	0	0	94	219	463	301	641
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	30	159	350	407	407
STURGEON	0	0	0	0	21	0	0	354	219	1292
VEGREVILLE	0	0	0	51	0	0	0	391	818	559
WETOKA	305	0	0	0	0	0	165	330	619	949
ALBERTA	10	3	4	4	13	36	123			

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1983

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	121	87	155	4	1.13	.
ALBERTA WEST CENTRAL	104	47	162	13	0.97	.
ATHABASCA	111	53	169	8	1.04	.
BANFF NATIONAL PARK	93	-36	221	19	0.87	.
BARONS-EUREKA-WARNER	91	50	132	20	0.85	.
BIG COUNTRY	62	7	117	26	0.58	.
CALGARY	105	93	116	12	0.98	.
CHINOOK	107	67	147	10	1.00	.
DRUMHELLER	107	62	152	11	1.00	.
EDMONTON	115	103	127	6	1.08	.
FOOTHILLS	112	64	160	7	1.05	.
FORT MCMURRAY	142	-32	315	2	1.33	.
HIGH LEVEL-FORT VERMILION	64	-35	163	25	0.60	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	103	67	139	14	0.96	.
LETHBRIDGE	100	70	131	17	0.94	.
MEDICINE HAT	134	100	168	3	1.26	.
MIDBURN-VERMILION	118	72	163	5	1.11	.
MOUNT VIEW	103	65	142	15	0.96	.
NORTH EASTERN ALBERTA	91	50	132	21	0.85	.
PEACE RIVER	154	97	210	1	1.44	.
RED DEER	96	70	122	18	0.90	.
SOUTH PEACE	83	45	120	23	0.78	.
STONY PLAIN-LAC STE. ANNE	102	60	143	16	0.96	.
STURGEON	82	53	111	24	0.77	.
VEGREVILLE	91	52	130	22	0.85	.
WETOKA	108	67	149	9	1.01	.
ALBERTA	107	101	113			

ALL-CANCER, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LNA	0	0	0	0	0	0	0	1	5	3	9
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	2	0	0	2
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	1	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	1	1	2	0	4
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	1	0	0	1
BIG COUNTRY	0	0	0	0	0	0	1	5	11	17	36
CALEARY	0	0	0	0	1	1	1	0	0	0	3
CHINOOK	0	0	0	0	0	0	0	0	1	0	1
DRUMHELLER	0	0	0	0	0	0	0	0	1	0	1
EDMONTON	0	0	0	0	0	1	3	6	16	9	35
FOOTMILLS	0	0	0	0	0	0	1	0	1	1	3
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	1	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEONE-STRATHCONA	0	0	0	0	0	0	0	0	2	3	5
LETHBRIDGE	0	0	0	0	0	0	0	0	2	4	6
MEDICINE HAT	0	0	0	0	0	0	0	0	0	2	2
KIDURN-VERRILLION	0	0	0	0	0	0	0	0	2	1	3
MOUNT VIEW	0	0	0	0	0	0	1	0	2	2	5
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	0	2	3
PEACE RIVER	0	0	0	0	0	0	0	0	1	0	1
RED DEER	0	0	0	0	0	0	0	0	1	3	4
SOUTH PEACE	0	0	0	0	0	0	0	0	0	1	1
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	1	1	2	5
STURGEON	0	0	0	0	0	0	0	0	2	1	3
VERREVILLE	0	0	0	0	0	0	0	0	0	2	2
WETUKA	0	0	0	0	0	0	0	0	1	0	1
ALBERTA	0	0	0	0	1	2	8	16	51	58	136

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	COLON CANCER										
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
LWA	0	0	0	0	0	0	0	35	226	106	
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	198	0	0	
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	235	
ATHABASCA	0	0	0	0	0	0	0	0	0	0	
BAFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
BARONS-EUREKA-WARNER	0	0	0	0	0	0	58	61	100	0	
BIG COUNTRY	0	0	0	0	0	0	0	155	0	0	
CALGARY	0	0	0	0	1	3	4	24	82	175	
CHINOOK	0	0	0	0	0	0	0	0	70	287	
DRUMHELLER	0	0	0	0	0	0	0	0	91	0	
EDMONTON	0	0	0	0	0	3	11	27	112	90	
FOOTHILLS	0	0	0	0	0	0	69	0	100	149	
FORT McMURRAY	0	0	0	0	0	0	0	0	0	0	
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	1389	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	142	327	
LETHBRIDGE	0	0	0	0	0	0	0	0	88	236	
MEDICINE HAT	0	0	0	0	0	0	0	0	0	127	
MUNBURN-VERNILION	0	0	0	0	0	0	0	0	166	115	
MOUNT VERN	0	0	0	0	0	0	37	0	145	260	
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	65	0	262	
PEACE RIVER	0	0	0	0	0	0	0	0	113	0	
RED DEER	0	0	0	0	0	0	0	0	36	160	
SOUTH PEACE	0	0	0	0	0	0	0	0	0	133	
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	44	58	100	321	
STURGEON	0	0	0	0	0	0	0	0	116	81	
VERREVILLE	0	0	0	0	0	0	0	0	0	199	
WETOKA	0	0	0	0	0	0	0	0	74	0	
ALBERTA	0	0	0	0	0	1	8	21	90	147	

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

	COLON CANCER					
LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	20	7	33	3	1.67	.
ALBERTA WEST CENTRAL	15	-6	35	8	1.25	.
ATHABASCA	8	-8	24	16	0.67	.
BANFF NATIONAL PARK	0	0	0	25	0.00	.
BARONS-EUREKA-WARNER	18	0	36	5	1.50	.
BIG COUNTRY	11	-11	34	15	0.92	.
CALGARY	13	9	17	10	1.08	.
CHINOOK	13	0	26	11	1.08	.
DRUMHELLER	4	-4	13	22	0.33	.
EDMONTON	12	8	16	12	1.00	.
FOOTHILLS	16	-2	34	7	1.33	.
FORT MCMURRAY	0	0	0	26	0.00	.
HIGH LEVEL-FORT VERMILION	48	-46	141	1	4.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	18	2	34	6	1.50	.
LETHBRIDGE	12	2	22	13	1.00	.
MEDICINE HAT	4	-2	10	23	0.33	.
MIDBURN-VERMILION	12	-2	26	14	1.00	.
MOUNT VERN	19	2	34	4	1.58	.
NORTH EASTERN ALBERTA	14	-2	29	9	1.17	.
PEACE RIVER	6	-5	16	20	0.50	.
RED DEER	7	0	14	18	0.58	.
SOUTH PEACE	5	-4	13	21	0.42	.
STONY PLAIN-LAC STE. ANNE	24	3	45	2	2.00	.
STURGEON	8	-1	18	17	0.67	.
VEREVILLE	7	-3	16	19	0.58	.
WETOKA	4	-4	11	24	0.33	.
ALBERTA	12	10	14			

ALBERTA LOCAL HEALTH BOARDS 1980

1 HIGH LEVEL-FORT VERMILION

2 STONY PLAIN LAC

3 ALBERTA EAST CENTRAL

4 MOUNT VERNON

5 BARNES

6 LEDUC-STURGEON

7 FOOTHILLS

8 ALBERTA WEST CENTRAL

9 NORTH EASTERN ALBERTA

10 CALGARY

11 CHINOOK

12 EDMONTON

13 LETHBRIDGE

14 KIMBERLY VERMILION

15 G20 COUNTRY

16 ATHABASCA

17 STURGEON

18 RED BEER

19 VERMILION

20 PEACE RIVER

21 SOUTH PEACE

22 BRIDGEMAN

23 MEDICINE HAT

24 NITOKA

25 BANFF

26 FORT MCMURRAY

27 JASPER

HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980

NUMBER OF DEATHS, 1963

FEMALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	0	0	0	0	1	1	2
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	1	1	1	3
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0	1
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BAFF NATIONAL PARK	0	0	0	0	0	0	0	1	1	0	2
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	2	2	19	18	6	47
CHINOOK	0	0	0	0	0	1	0	0	2	1	4
DRUMHELLER	0	0	0	0	0	0	0	0	2	0	2
EDMONTON	0	0	0	0	0	2	7	18	13	11	51
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEBUC-STRAITHCOMA	0	0	0	0	0	1	1	2	2	1	7
LETHBRIDGE	0	0	0	0	0	0	0	0	1	1	2
MEDICINE HAT	0	0	0	0	0	0	0	4	1	1	6
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	1	1
MOUNT VERN	0	0	0	0	0	0	1	1	2	0	4
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	1	0	2	0	3
RED DEER	0	0	0	0	0	0	1	6	1	2	10
SOUTH PEACE	0	0	0	0	0	0	1	0	0	2	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	1	3	0	2	7
STURGEON	0	0	0	0	0	0	1	3	0	2	6
VERMILION	0	0	0	0	0	0	0	1	1	1	3
WETOKA	0	0	0	0	0	0	1	1	3	2	7
ALBERTA	0	0	0	0	0	7	18	68	51	35	171

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	LUNG CANCER									
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	45	62
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	99	172	274
ATHABASCA	0	0	0	0	0	0	85	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-HARNER	0	0	0	0	0	0	0	61	90	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	0	5	7	90	134	62
CHINOOK	0	0	0	0	0	45	0	0	140	96
DRUMHELLER	0	0	0	0	0	0	0	0	103	0
EDMONTON	0	0	0	0	0	6	27	82	91	110
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT McMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	13	26	80	142	109
LETHBRIDGE	0	0	0	0	0	0	0	0	44	59
MEDICINE HAT	0	0	0	0	0	0	0	117	42	63
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	115
MOUNT VERN	0	0	0	0	0	0	37	50	145	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	59	0	226	0
RED DEER	0	0	0	0	0	0	22	145	36	106
SOUTH PEACE	0	0	0	0	0	0	46	0	0	266
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	24	44	174	0	321
STURGEON	0	0	0	0	0	0	27	117	0	163
VEREVILLE	0	0	0	0	0	0	0	59	73	99
WETOKA	0	0	0	0	0	0	55	56	223	223
ALBERTA	0	0	0	0	0	5	10	71	90	89

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1983

LHA	LUNG CANCER					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	4	-2	10	10		10	0.27	.
ALBERTA WEST CENTRAL	25	-3	54	54		3	1.67	.
ATHABASCA	0	-7	22	22		17	0.53	.
BANFF NATIONAL PARK	0	0	0	0		21	0.00	.
BARONS-EUREKA-WARNER	9	-3	21	21		15	0.60	.
BIG COUNTRY	0	0	0	0		22	0.00	.
CALGARY	17	12	21	21		6	1.13	.
CHINOOK	16	0	32	32		0	1.07	.
DRUMHELLER	9	-3	21	21		16	0.60	.
EDMONTON	17	13	22	22		7	1.13	.
FOOTHILLS	0	0	0	0		23	0.00	.
FORT MCMURRAY	0	0	0	0		24	0.00	.
HIGH LEVEL-FORT VERNILION	0	0	0	0		25	0.00	.
JASPER NATIONAL PARK	0	0	0	0		26	0.00	.
LEDUC-STRAITHCONA	20	5	36	36		4	1.33	.
LETHBRIDGE	4	-2	10	10		19	0.27	.
MEDICINE HAT	13	3	23	23		12	0.07	.
MIDBURN-VERNILION	4	-4	12	12		20	0.27	.
MOUNT VIEW	14	0	20	20		11	0.93	.
NORTH EASTERN ALBERTA	0	0	0	0		27	0.00	.
PEACE RIVER	16	-2	35	35		9	1.07	.
RED DEER	10	7	29	29		5	1.20	.
SOUTH PEACE	13	-2	20	20		13	0.07	.
STONY PLAIN-LAC STE. ANNE	31	0	54	54		1	2.07	.
STURGEON	16	3	30	30		10	1.07	.
VEGREVILLE	11	-2	24	24		14	0.73	.
WETOKA	20	7	40	40		2	1.07	.
ALBERTA	15	13	17	17				

Alberta
CANADA

**HEALTH UNITS
LOCAL BOARDS OF HEALTH
1980**

1. STONY PLAIN
2. LAC
3. STE. ANNE
4. STURGEON
5. VERNIVILLE
6. NORTH EASTERN ALBERTA
7. EDMONTON
8. JASPER
9. ALBERTA WEST CENTRAL
10. LEBUC-STRAITHCORN
11. MEDICINE HAT
12. RED BEAR
13. METSKA
14. ALBERTA EAST CENTRAL
15. BIG COUNTRY
16. BRUNNELLER
17. MOUNT VERN
18. POSTVILLE
19. CHINOOK
20. BANNOCK
21. EUREKA
22. MEDICINE HAT
23. LETHBRIDGE
24. CALGARY
25. SAMP
26. PEACE RIVER
27. ATHABASCA
28. PORT HURON
29. HIGH LEVEL-FORT VERMILION

FEMALES

LWA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	7	7
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	1	0	2	3
ATHABASCA	0	0	0	0	0	0	0	0	2	3	5
BAUFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	2	0	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	1	0	0	0	2	1	1	14	19
CHINOOK	0	0	0	0	0	1	1	0	0	0	2
CRUMHELLER	0	0	0	0	0	0	0	2	0	1	2
EDMONTON	0	0	0	0	1	1	0	1	3	12	18
FOOTHILLS	0	0	0	0	0	0	1	0	0	1	2
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	0	0	0	0	0	1	1	2
LETHBRIDGE	0	0	0	0	0	0	0	1	4	2	7
MEDICINE HAT	0	0	0	0	0	0	0	0	1	3	4
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	2	2
MOUNT VERN	0	0	0	0	0	0	0	0	1	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	1	1
PEACE RIVER	0	0	0	0	0	0	0	0	0	3	3
RED DEER	0	0	0	0	0	1	0	0	3	2	6
SOUTH PEACE	0	0	0	0	0	0	0	0	1	1	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	1	0	0	1
STURGEON	0	0	0	0	0	0	0	0	1	2	3
VERDEVILLE	0	0	0	0	0	0	0	0	3	2	5
WETOKA	0	0	0	0	0	0	0	0	0	3	3
ALBERTA	0	0	1	0	1	3	4	6	23	63	101

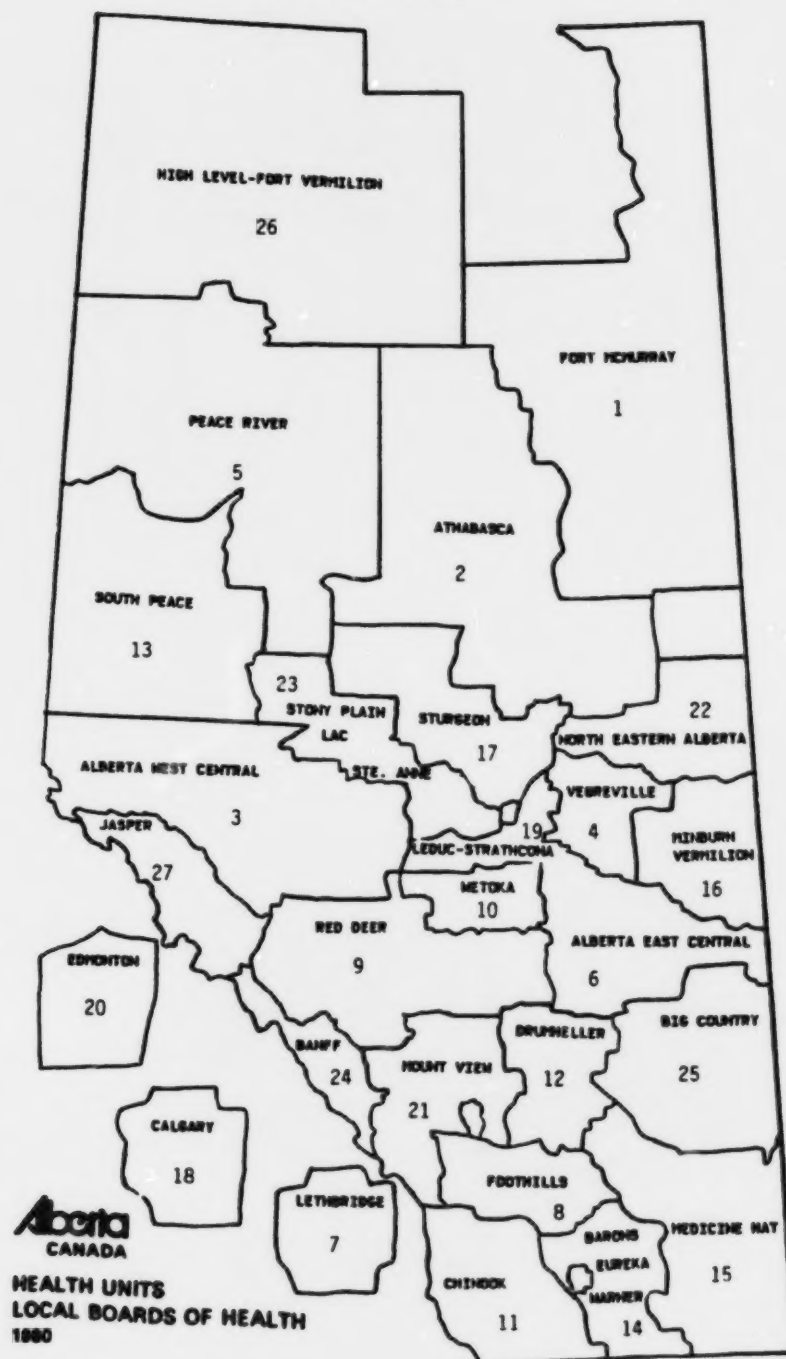
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	DIABETES										
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	434	
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	99	0	548	
ATHABASCA	0	0	0	0	0	0	0	0	303	706	
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	180	0	
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	
CALGARY	0	0	2	0	0	0	7	5	7	144	
CHINOOK	0	0	0	0	0	45	55	0	0	0	
DRUMHELLER	0	0	0	0	0	0	0	63	0	148	
EDMONTON	0	0	0	0	2	3	0	5	21	120	
FOOTHILLS	0	0	0	0	0	0	69	0	0	149	
FORT McMURRAY	0	0	0	0	0	0	0	0	0	2000	
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
LEDUC-STRATHCONA	0	0	0	0	0	0	0	36	71	109	
LETHBRIDGE	0	0	0	0	0	0	0	0	175	118	
MEDICINE HAT	0	0	0	0	0	0	0	0	42	190	
MINSBURN-VERMILION	0	0	0	0	0	0	0	0	0	229	
MOUNT VIEW	0	0	0	0	0	0	0	0	72	0	
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	0	0	131	
PEACE RIVER	0	0	0	0	0	0	0	0	0	472	
RED DEER	0	0	0	0	0	15	0	0	107	106	
SOUTH PEACE	0	0	0	0	0	0	0	0	101	133	
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	58	0	0	
STURGEON	0	0	0	0	0	0	0	0	58	163	
VEGREVILLE	0	0	0	0	0	0	0	0	219	199	
WETOKA	0	0	0	0	0	0	0	0	0	335	
ALBERTA	0	0	1	0	0	2	4	7	41	160	

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	15	4	26	6	1.71	.
ALBERTA WEST CENTRAL	26	-4	56	3	2.96	.
ATHABASCA	39	5	73	2	4.44	YES
BANFF NATIONAL PARK	0	0	0	24	0.00	.
BARONS-EUREKA-WARNER	9	-3	21	14	1.03	.
BIG COUNTRY	0	0	0	25	0.00	.
CALGARY	7	4	10	16	0.00	.
CHINOOK	10	-4	25	11	1.14	.
DRUMHELLER	10	-4	23	12	1.14	.
EDMONTON	6	3	9	20	0.68	.
FOOTHILLS	11	-4	27	8	1.25	.
FORT MCMURRAY	69	-66	203	1	7.86	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	0	0	0	27	0.00	.
LEDUC-STRATHCONA	7	-3	17	19	0.80	.
LETHBRIDGE	15	4	27	7	1.71	.
MEDICINE HAT	9	0	17	15	1.03	.
KIMBURN-VERMILION	8	-3	19	16	0.91	.
MOUNT VIEW	4	-3	11	21	0.46	.
NORTH EASTERN ALBERTA	4	-4	13	22	0.46	.
PEACE RIVER	16	-2	34	5	1.82	.
RED DEER	11	2	19	9	1.25	.
SOUTH PEACE	10	-4	23	13	1.14	.
STONY PLAIN-LAC STE. ANNE	4	-4	13	23	0.46	.
STURGEON	8	-1	18	17	0.91	.
VEGREVILLE	18	2	33	4	2.05	.
WETOKA	11	-2	24	10	1.25	.
ALBERTA	9	7	10			

DIABETES, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

ISCHEMIC HEART DISEASE

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	2	2	6	31	41
ALBERTA WEST CENTRAL	0	0	0	0	0	0	1	2	5	6	16
ATHABASCA	0	0	0	0	0	0	0	1	4	7	12
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	1	0	1
BARONS-EUREKA-WARNER	0	0	0	0	0	0	2	1	4	19	26
BIG COUNTRY	0	0	0	0	0	0	0	1	1	6	8
CALGARY	0	0	0	0	1	3	11	25	55	193	288
CHINOOK	0	0	0	0	0	0	0	0	6	12	18
DRUMHELLER	0	0	0	0	0	0	0	0	3	5	8
EDMONTON	0	0	0	0	0	0	3	25	49	183	260
FOOTHILLS	0	0	0	0	0	0	0	1	4	6	13
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERTILION	0	0	0	0	0	0	1	0	0	0	1
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	2	2
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	2	9	18	29
LETHBRIDGE	0	0	0	0	0	0	1	2	9	40	52
MEDICINE HAT	0	0	0	0	0	0	1	5	8	42	56
MIDBURN-VERTILION	0	0	0	0	0	0	1	0	3	19	23
MOUNT VERN	0	0	0	1	0	0	1	3	4	20	29
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	1	4	7	13
PEACE RIVER	0	0	0	0	0	0	1	3	3	10	17
RED DEER	0	0	0	0	0	0	1	2	18	30	51
SOUTH PEACE	0	0	0	1	0	0	1	1	3	10	16
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	0	9	10	20
STURGEON	0	0	0	0	1	0	0	0	8	25	34
VEGREVILLE	0	0	0	1	0	0	2	3	9	30	45
WETOKA	0	0	0	0	0	0	2	4	2	12	20
ALBERTA	0	0	0	3	2	3	33	84	227	748	1100

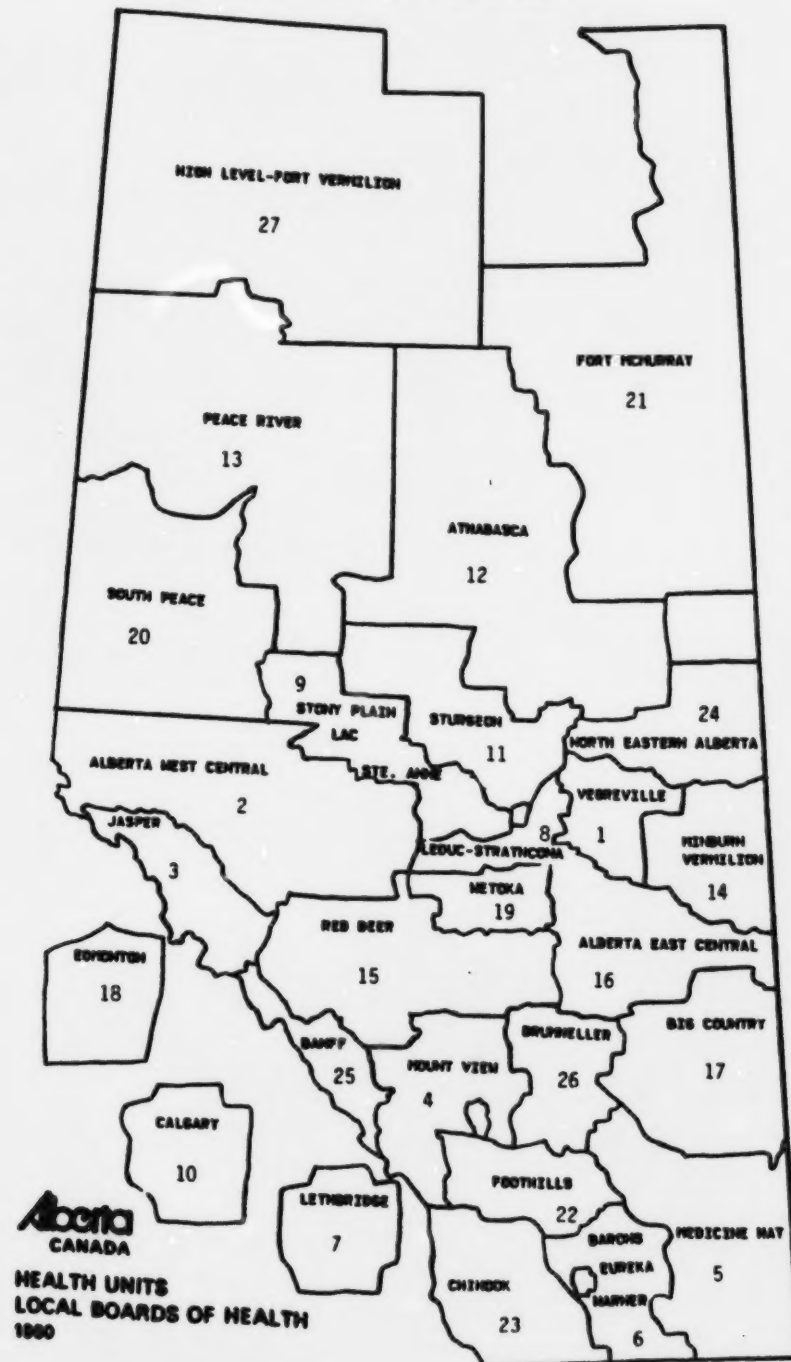
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	ISCHEMIC HEART DISEASE										
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALBERTA EAST CENTRAL	0	0	0	0	0	0	77	71	271	1922	
ALBERTA WEST CENTRAL	0	0	0	0	0	0	68	198	862	2192	
ATHABASCA	0	0	0	0	0	0	0	105	606	1647	
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	943	0	
BARONS-EUREKA-HARNER	0	0	0	0	0	0	115	61	359	2568	
BIG COUNTRY	0	0	0	0	0	0	0	155	270	1942	
CALGARY	0	0	0	0	1	8	40	118	408	1985	
CHINOOK	0	0	0	0	0	0	0	0	421	1149	
DRUMHELLER	0	0	0	0	0	0	0	0	274	742	
EDMONTON	0	0	0	0	0	0	11	114	343	1832	
FOOTHILLS	0	0	0	0	0	0	0	73	399	1196	
FORT McMURRAY	0	0	0	0	0	0	0	0	0	2000	
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	301	0	0	0	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	4000	
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	80	639	1963	
LETHBRIDGE	0	0	0	0	0	0	37	72	394	2358	
MEDICINE HAT	0	0	0	0	0	0	31	147	336	2667	
MIRAMBA-VERMILION	0	0	0	0	0	0	63	0	250	2176	
MOUNT VIEW	0	0	0	20	0	0	37	151	290	2604	
NORTH EASTERN ALBERTA	0	0	0	0	0	0	56	65	385	919	
PEACE RIVER	0	0	0	0	0	0	59	230	339	1575	
RED DEER	0	0	0	0	0	0	22	48	641	1597	
SOUTH PEACE	0	0	0	17	0	0	46	59	304	1332	
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	44	0	904	1603	
STURGEON	0	0	0	0	11	0	0	0	465	2037	
VEGREVILLE	0	0	0	51	0	0	137	177	658	2982	
WETOKA	0	0	0	0	0	0	110	223	149	1341	
ALBERTA	0	0	0	1	1	2	33	99	402	1899	

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	ISCHEMIC HEART DISEASE		RANK	RATIO	SIG
	RATE	LOWER UPPER			
ALBERTA EAST CENTRAL	91	63 119	16	0.95	.
ALBERTA WEST CENTRAL	138	70 206	2	1.44	.
ATHABASCA	94	41 147	12	0.98	.
BAFF NATIONAL PARK	46	-44 137	25	0.48	.
BARONS-EUREKA-WARNER	120	74 166	6	1.25	.
BIG COUNTRY	91	28 154	17	0.95	.
CALGARY	101	90 113	10	1.06	.
CHINOOK	60	32 88	23	0.63	.
DRUMHELLER	39	12 66	26	0.41	.
EDMONTON	89	78 100	18	0.93	.
FOOTHILLS	66	30 102	22	0.69	.
FORT MCMURRAY	69	-66 203	21	0.72	.
HIGH LEVEL-FORT VERNILION	27	-25 79	27	0.28	.
JASPER NATIONAL PARK	137	-53 327	3	1.43	.
LEDUC-STRATINCONA	104	66 143	8	1.09	.
LETHBRIDGE	109	79 138	7	1.14	.
MEDICINE HAT	121	90 153	5	1.27	.
MIDBURN-VERMILION	92	54 130	14	0.96	.
MOUNT VERN	122	77 166	4	1.28	.
NORTH EASTERN ALBERTA	60	27 93	24	0.63	.
PEACE RIVER	93	49 137	13	0.97	.
RED DEER	92	66 117	15	0.96	.
SOUTH PEACE	72	37 108	20	0.75	.
STONY PLAIN-LAC STE. ANNE	103	58 148	9	1.06	.
STURGEON	95	63 127	11	0.99	.
VEGREVILLE	169	116 221	1	1.77	YES
METOKA	79	44 114	19	0.83	.
ALBERTA	96	90 101			

ISCHEMIC HEART DISEASE, FEMALES, 1983



NUMBER OF DEATHS, 1963

FEMALES

CEREBROVASCULAR DISEASE

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	1	0	0	1	0	11	13
ALBERTA EAST CENTRAL	0	0	0	0	0	1	0	1	0	2	4
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	4	4
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARKS-EUREKA-WAGNER	0	0	0	0	0	0	0	0	2	0	10
BIG COUNTRY	0	0	0	0	0	0	1	0	2	1	4
CALGARY	0	0	0	0	2	2	2	11	26	89	132
CHINOOK	0	0	0	0	0	0	0	0	1	11	12
DRUMHELLER	0	0	0	0	0	0	0	1	4	7	12
EDMONTON	1	0	0	0	1	3	7	10	10	60	120
FOOTHILLS	0	0	0	0	0	0	0	0	2	0	10
FORT McMURRAY	0	0	1	0	0	0	0	0	1	0	2
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEBUC-STRAITHCDNA	0	0	0	0	0	1	1	0	1	5	8
LETHBRIDGE	0	0	0	0	0	0	1	0	2	22	25
MEDICINE HAT	0	0	0	1	0	0	0	2	7	11	21
MIDBURN-VERMILION	0	0	0	0	0	2	0	2	2	5	11
MOUNT VERN	0	0	0	0	0	0	0	0	3	6	9
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	2	6	9
PEACE RIVER	0	0	0	0	0	0	0	1	0	5	6
RED BEAR	0	0	0	0	0	1	1	2	2	19	25
SOUTH PEACE	0	0	0	0	0	1	2	0	2	9	14
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	1	2	2	0	13
STURGEON	0	0	0	0	0	0	0	2	0	0	10
VERMILION	0	0	0	0	0	0	0	0	2	7	9
WETOKA	0	0	0	0	0	0	2	0	0	12	14
ALBERTA	1	0	1	1	4	11	10	36	81	345	490

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

CEREBROVASCULAR DISEASE

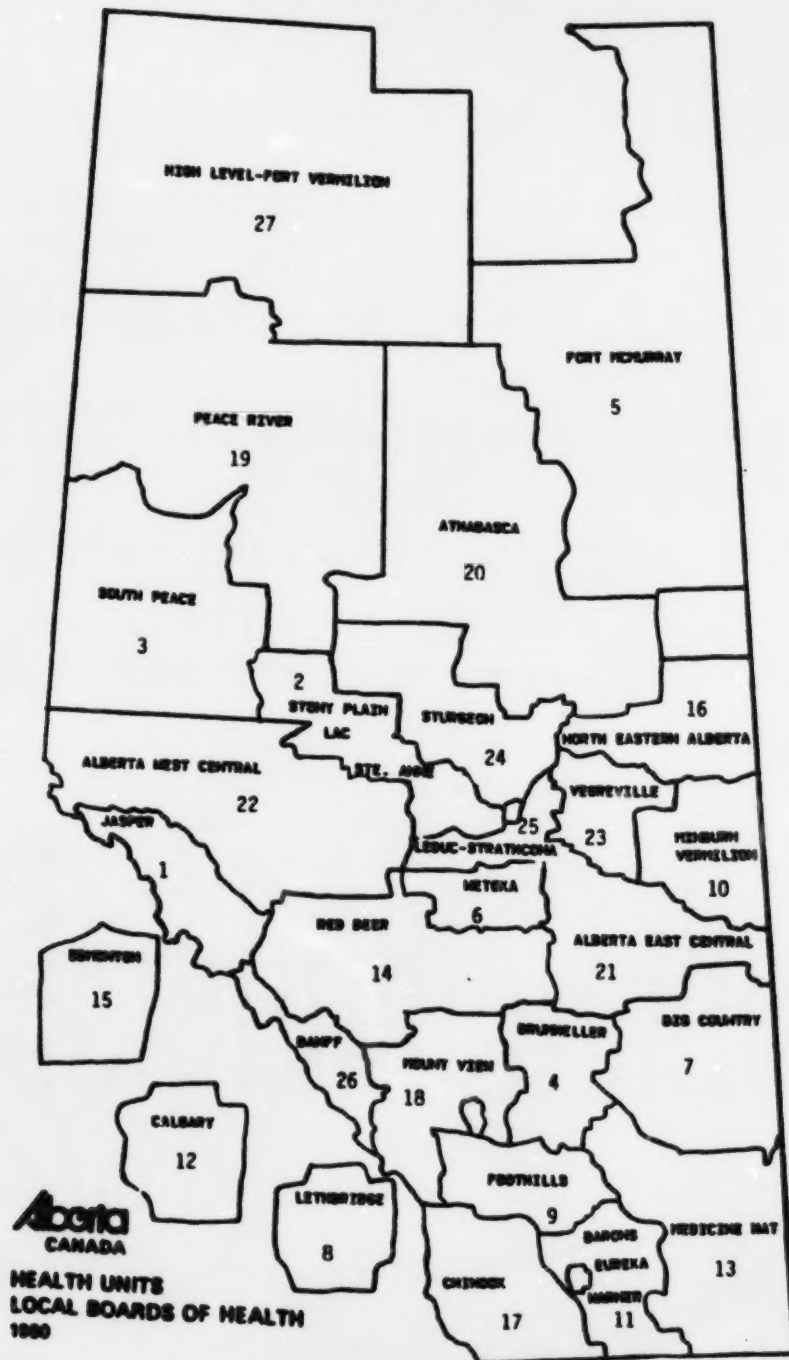
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LHA	0	0	0	0	24	0	0	35	0	682
ALBERTA EAST CENTRAL	0	0	0	0	0	42	0	99	0	548
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	941
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	180	1081
BARONS-EUREKA-WARNER	0	0	0	0	0	0	170	0	541	324
BIG COUNTRY	0	0	0	0	3	5	7	52	193	915
CALGARY	0	0	0	0	0	0	0	0	70	1054
CHINOOK	0	0	0	0	0	0	0	63	365	1039
DRUMHELLER	0	0	0	0	2	9	27	46	126	801
EDMONTON	23	0	0	0	0	0	0	0	200	1196
FOOTHILLS	0	0	0	0	0	0	0	0	1053	0
FORT MCMURRAY	0	0	30	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	2000
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	71	545
LEDUC-STRATHCONA	0	0	0	0	0	13	26	0	60	1297
LETHBRIDGE	0	0	0	0	0	0	37	0	294	690
MEDICINE HAT	0	0	0	14	0	0	0	59	166	573
MIDBURN-VERMILION	0	0	0	0	0	103	0	129	217	781
MOUNT VERN	0	0	0	0	0	0	0	65	192	787
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	77	0	787
PEACE RIVER	0	0	0	0	0	15	22	46	71	1011
RED DEER	0	0	0	0	0	30	91	0	203	1198
SOUTH PEACE	0	0	0	0	0	0	44	116	201	1282
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	78	0	652
STURGEON	0	0	0	0	0	0	0	0	146	696
VERMILION	0	0	0	0	0	0	0	0	0	1341
WETOKA	0	0	0	0	0	0	110	0	0	1341
ALBERTA	5	0	1	0	2	8	18	43	144	876

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1983

CEREBROVASCULAR DISEASE

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	31	13	48	21	0.72	.
ALBERTA WEST CENTRAL	31	0	63	22	0.72	.
ATHABASCA	32	1	64	20	0.74	.
BANFF NATIONAL PARK	0	0	0	26	0.00	.
BARONS-EUREKA-WARNER	46	17	74	11	1.06	.
BIG COUNTRY	53	1	104	7	1.22	.
CALGARY	46	39	54	12	1.06	.
CHINOOK	40	17	62	17	0.92	.
DRUMHELLER	58	25	91	4	1.34	.
EDMONTON	41	34	49	15	0.95	.
FOOTHILLS	51	19	82	9	1.18	.
FORT MCMURRAY	56	-45	158	5	1.29	.
HIGH LEVEL-FORT VERMILION	0	0	0	27	0.00	.
JASPER NATIONAL PARK	69	-44	203	1	1.59	.
LEDUC-STRAITHCONA	26	7	45	25	0.60	.
LETHBRIDGE	52	31	72	8	1.20	.
MEDICINE HAT	45	26	65	13	1.04	.
MIDBURN-VERMILION	50	20	80	10	1.15	.
MOUNT VIEW	37	13	62	18	0.85	.
NORTH EASTERN ALBERTA	41	14	68	16	0.95	.
PEACE RIVER	33	7	59	19	0.76	.
RED DEER	45	28	63	14	1.04	.
SOUTH PEACE	63	30	96	3	1.46	.
STONY PLAIN-LAC STE. ANNE	66	30	102	2	1.52	.
STURGEON	28	11	45	24	0.65	.
VEGREVILLE	31	11	51	23	0.72	.
WETOKA	54	26	85	6	1.29	.
ALBERTA	43	39	47			

CEREBROVASCULAR DISEASE, FEMALES, 1983



NUMBER OF DEATHS, 1963

FEMALES

PNEUMONIA

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	0	0	0	0	0	0	0	0	0	6	6
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	1	1
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	1	1	2
ATKINS	0	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	2	2
BANNOCK-BURKEA-WARDNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	1	2	0	0	7	42	52
CHINOOK	0	0	0	0	0	0	0	0	1	5	6
CHURCHILL	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	2	1	0	0	0	0	0	5	0	26	42
FOOTBILLS	0	0	0	0	0	0	0	0	0	1	1
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	1	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	1	3	4
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	1	1
LEDAUC-STRAITHCORN	0	0	0	0	0	0	1	0	0	6	7
LETIMERIDGE	0	0	0	0	0	0	0	0	0	4	4
MEDICINE HAT	0	1	0	0	0	0	0	0	1	3	5
MIDLAND-VERMILION	0	0	0	0	1	0	0	0	0	1	2
MOUNT VERN	0	0	0	0	0	0	0	0	1	3	4
NORTH EASTERN ALBERTA	0	1	0	0	0	0	0	2	0	2	5
PEACE RIVER	0	0	0	0	0	0	1	1	0	0	2
RED DEER	0	0	0	1	0	0	0	2	2	9	14
SOUTH PEACE	0	0	0	0	0	0	0	0	0	2	2
STONY PLAIN-LAC STE. ANNE	0	0	0	0	2	1	0	0	0	4	7
STURGEON	0	0	0	0	0	0	0	0	1	4	5
VERMILION	1	0	0	0	0	0	0	0	0	6	7
WETOKA	0	0	0	0	0	1	0	0	1	16	18
ALBERTA	3	3	0	1	4	4	2	10	24	149	200

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

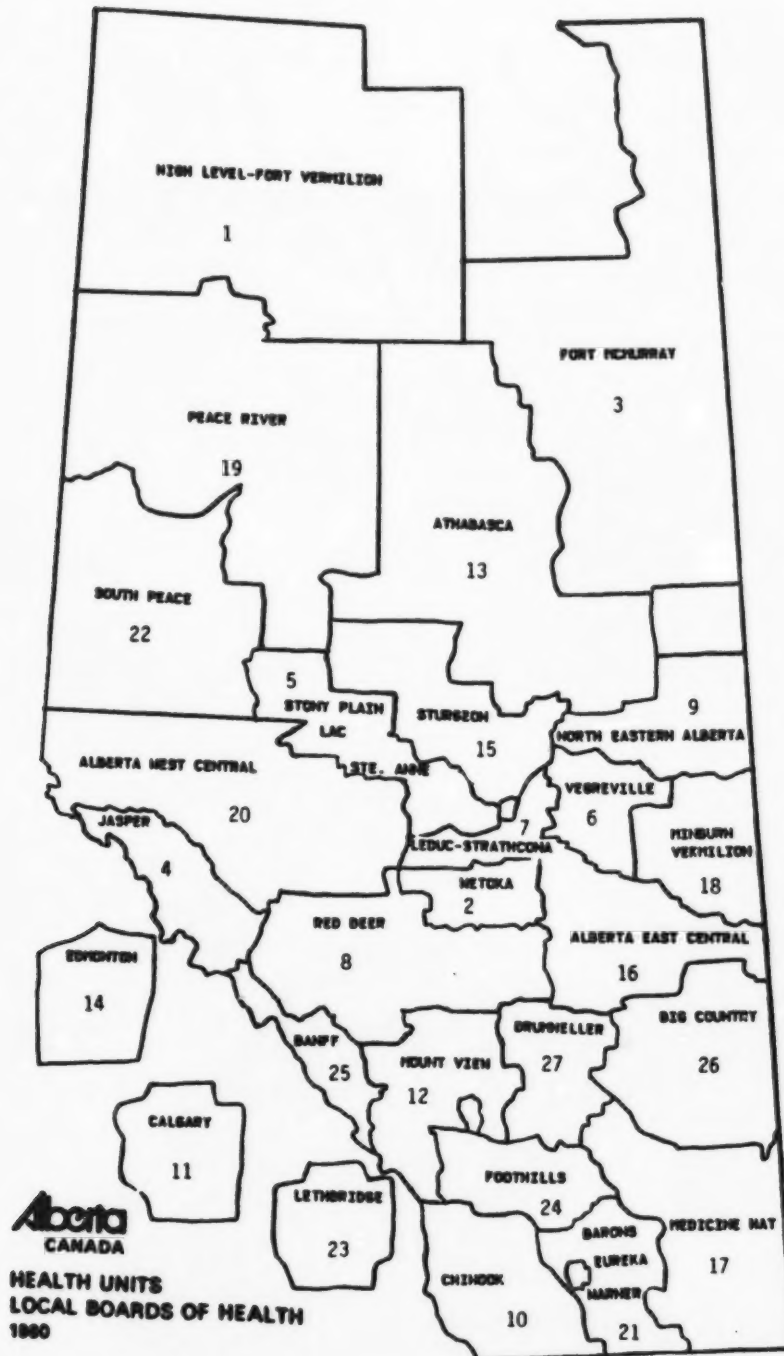
PNEUMONIA

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LMA	0	0	0	0	0	0	0	0	0	372
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	274
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	152	235
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BAUFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	270
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	1	0	5	0	0	52	432
CHINOOK	0	0	0	0	0	0	0	0	70	479
DRUMHELLER	0	0	0	0	0	0	0	0	0	0
EDMONTON	46	6	0	0	0	0	0	23	56	260
FOOTHILLS	0	0	0	0	0	0	0	0	0	149
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	2000
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	901	4167
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	2000
LEDUC-STRATHCONA	0	0	0	0	0	0	26	0	0	654
LETHBRIDGE	0	0	0	0	0	0	0	0	0	236
MEDICINE HAT	0	36	0	0	0	0	0	0	42	190
MIDBURN-VERMILION	0	0	0	34	0	0	0	0	0	115
MOUNT VERN	0	0	0	0	0	0	0	0	72	391
NORTH EASTERN ALBERTA	0	56	0	0	0	0	0	130	0	262
PEACE RIVER	0	0	0	0	0	0	59	77	0	0
RED DEER	0	0	0	9	0	0	0	48	71	479
SOUTH PEACE	0	0	0	0	0	0	0	0	0	266
STONY PLAIN-LAC STE. ANNE	0	0	0	0	30	24	0	0	0	641
STURGEON	0	0	0	0	0	0	0	0	50	326
VEGREVILLE	431	0	0	0	0	0	0	0	0	596
WETOKA	0	0	0	0	0	44	0	0	74	1706
ALBERTA	15	4	0	0	2	3	2	12	43	376

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1983

LHA	PNEUMONIA					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	13	3	23	16	0.75	.		
ALBERTA WEST CENTRAL	9	-9	26	20	0.52	.		
ATHABASCA	15	-6	37	13	0.86	.		
BANFF NATIONAL PARK	0	0	0	25	0.00	.		
BARONS-EUREKA-WARNER	9	-4	22	21	0.52	.		
BIG COUNTRY	0	0	0	26	0.00	.		
CALGARY	18	13	23	11	1.04	.		
CHINOOK	20	4	36	10	1.15	.		
DRUMHELLER	0	0	0	27	0.00	.		
EDMONTON	15	10	19	14	0.86	.		
FOOTHILLS	5	-5	15	24	0.29	.		
FORT McMURRAY	69	-66	203	3	3.97	.		
HIGH LEVEL-FORT VERNILION	187	4	370	1	10.76	YES		
JASPER NATIONAL PARK	69	-66	203	4	3.97	.		
LEDUC-STRATHCONA	25	6	43	7	1.44	.		
LETHBRIDGE	8	0	16	23	0.46	.		
MEDICINE HAT	11	1	21	17	0.63	.		
KINGSBURN-VERMILION	11	-5	26	18	0.63	.		
MOUNT VIEW	17	0	34	12	0.90	.		
NORTH EASTERN ALBERTA	22	3	42	9	1.27	.		
PEACE RIVER	11	-4	26	19	0.63	.		
RED DEER	25	12	38	8	1.44	.		
SOUTH PEACE	9	-4	22	22	0.52	.		
STONY PLAIN-LAC STE. ANNE	31	7	55	5	1.78	.		
STURGEON	14	2	26	15	0.81	.		
VEGREVILLE	28	6	50	6	1.61	.		
WETOKA	70	38	103	2	4.03	YES		
ALBERTA	17	15	20					

PNEUMONIA, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

	CHRONIC OBSTRUCTIVE LUNG DISEASE										
LMA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	1	0	0	3	3	7
ALBERTA WEST CENTRAL	0	0	1	0	0	0	0	0	0	0	1
ATHABASCA	0	0	0	0	1	0	0	0	0	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	1	0	0	1	2
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	2	0	0	3	8	11	12	36
CHINOOK	0	0	0	0	0	0	0	1	1	1	3
DRUMHELLER	0	0	0	0	0	0	0	0	2	1	3
EDMONTON	0	0	0	0	0	1	0	2	15	11	29
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEBUC-STRATHCONA	0	0	0	0	0	0	0	0	1	1	2
LETHBRIDGE	0	0	0	0	0	0	0	1	0	2	3
MEDICINE HAT	0	0	0	0	0	0	1	0	3	4	8
KIMBERLY-VERMILION	0	0	0	0	0	0	0	0	0	1	1
MOUNT VIEW	0	0	0	0	0	0	0	1	0	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	1	1	0	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	0	3	3	6
SOUTH PEACE	0	0	0	0	0	0	0	1	1	1	3
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	2	2	4	8
STURGEON	0	0	0	0	0	0	0	1	2	0	3
VEGREVILLE	0	0	0	0	0	0	1	0	0	1	2
WETOKA	0	0	0	0	0	0	1	0	1	2	4
ALBERTA	0	0	1	2	1	2	7	18	46	48	125

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1963

CHRONIC OBSTRUCTIVE LUNG DISEASE

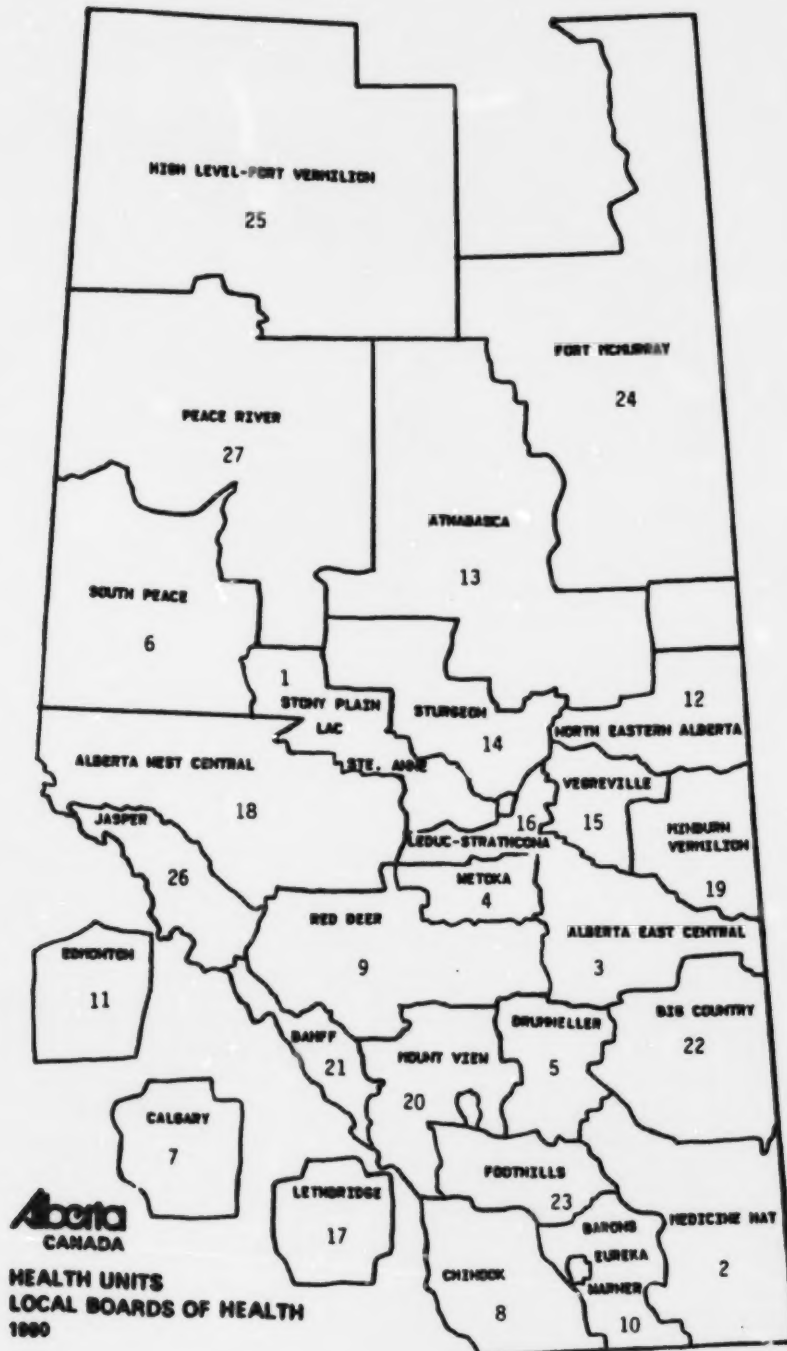
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	32	0	0	136	166
ALBERTA WEST CENTRAL	0	0	29	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	45	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	58	0	0	135
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	3	0	0	11	38	82	123
CHINOOK	0	0	0	0	0	0	0	51	70	96
DRUMHELLER	0	0	0	0	0	0	0	0	183	148
EDMONTON	0	0	0	0	0	3	0	9	105	110
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	0	71	109
LETHBRIDGE	0	0	0	0	0	0	0	36	0	118
MEDICINE HAT	0	0	0	0	0	0	31	0	126	254
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	115
MOUNT VIEW	0	0	0	0	0	0	0	50	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	0	65	96	0
PEACE RIVER	0	0	0	0	0	0	0	0	0	0
RED DEER	0	0	0	0	0	0	0	0	107	160
SOUTH PEACE	0	0	0	0	0	0	0	59	101	133
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	0	116	201	641
STURGEON	0	0	0	0	0	0	0	39	116	0
VEGREVILLE	0	0	0	0	0	0	68	0	0	99
METOKA	0	0	0	0	0	0	55	0	74	223
ALBERTA	0	0	1	1	0	1	7	21	82	122

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1983

CHRONIC OBSTRUCTIVE LUNG DISEASE

LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	17	4	30	3	1.56	.
ALBERTA WEST CENTRAL	4	-4	13	18	0.37	.
ATHABASCA	9	-9	26	13	0.83	.
BANFF NATIONAL PARK	0	0	0	21	0.00	.
BARONS-EUREKA-WARNER	10	-4	23	10	0.92	.
BIG COUNTRY	0	0	0	22	0.00	.
CALGARY	13	8	17	7	1.20	.
CHINOOK	11	-1	22	8	1.01	.
DRUMHELLER	14	-2	30	5	1.29	.
EDMONTON	10	6	14	11	0.92	.
FOOTHILLS	0	0	0	23	0.00	.
FORT MURRAY	0	0	0	24	0.00	.
HIGH LEVEL-FORT VERMILION	0	0	0	25	0.00	.
JASPER NATIONAL PARK	0	0	0	26	0.00	.
LEDUC-STRATHCONA	7	-3	17	16	0.64	.
LETHBRIDGE	7	-1	14	17	0.64	.
MEDICINE HAT	18	5	30	2	1.66	.
KINBURN-VERMILION	4	-4	12	19	0.37	.
MOUNT VERN	4	-4	11	20	0.37	.
NORTH EASTERN ALBERTA	10	-4	23	12	0.92	.
PEACE RIVER	0	0	0	27	0.00	.
RED DEER	11	2	19	9	1.01	.
SOUTH PEACE	14	-2	30	6	1.29	.
STONY PLAIN-LAC STE. ANNE	40	12	60	1	3.68	YES
STURGEON	9	-1	18	14	0.83	.
VEGREVILLE	9	-4	23	15	0.83	.
WETOKA	16	0	32	4	1.47	.
ALBERTA	11	9	13			

CHRONIC OBSTRUCTIVE LUNG DISEASE, FEMALES, 1983



NUMBER OF DEATHS, 1963

FEMALES

	CIRRHOSIS										75+	TOTAL
	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL	
LHA	0	0	0	0	0	0	1	0	0	0	1	
ALBERTA EAST CENTRAL	0	0	0	0	0	0	0	0	0	0	0	
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	1	1	
ATHABASCA	0	0	0	0	0	0	0	0	0	0	0	
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0	
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0	0	
BIG COUNTRY	0	0	0	0	0	0	5	7	0	0	0	
CALGARY	0	0	0	0	1	3	0	0	0	1	25	
CHINOOK	0	0	0	0	1	1	0	1	0	0	3	
DRUMHELLER	0	0	0	0	0	0	1	0	1	1	3	
EDMONTON	0	0	0	0	0	5	4	0	5	4	26	
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	0	
FORT MCMURRAY	0	0	0	0	0	0	1	0	0	0	1	
HIGH LEVEL-FORT VERTILLON	0	0	0	0	0	0	0	0	0	0	0	
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0	
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	0	1	1	3	
LETHBRIDGE	0	0	0	0	0	1	0	0	1	0	1	
MEDICINE HAT	0	0	0	0	0	0	0	1	0	0	0	
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	0	0	
MOUNT VERN	0	0	0	0	0	0	0	0	0	0	0	
NORTH EASTERN ALBERTA	0	0	0	0	0	1	0	0	0	0	1	
PEACE RIVER	0	0	0	0	0	0	0	0	1	1	3	
RED DEER	0	0	0	0	0	0	0	1	0	0	1	
SOUTH PEACE	0	0	0	0	0	0	0	0	0	0	0	
STONY PLAIN-LAC STE. ANNE	0	0	0	1	0	0	0	0	0	0	1	
STURGEON	0	0	0	0	0	0	0	0	0	0	0	
VEREVILLE	0	0	0	0	0	0	0	1	0	0	1	
WETOKA	0	0	0	0	0	0	0	1	0	0	1	
ALBERTA	0	0	0	1	2	11	13	20	17	9	73	

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

CIRRHOSIS

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
ALBERTA EAST CENTRAL	0	0	0	0	0	0	38	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	0	0	0
ATHABASCA	0	0	0	0	0	0	0	0	0	235
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-WARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	0	1	8	16	33	59	10
CHINOOK	0	0	0	0	32	45	0	51	0	0
DRUMHELLER	0	0	0	0	0	0	67	0	91	148
EDMONTON	0	0	0	0	0	15	15	37	35	40
FOOTHILLS	0	0	0	0	0	0	0	0	0	0
FORT McMURRAY	0	0	0	0	0	0	138	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	0	0	0
LETHBRIDGE	0	0	0	0	0	31	0	0	44	59
MEDICINE HAT	0	0	0	0	0	0	0	29	0	0
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VERNON	0	0	0	0	0	0	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	37	0	0	0	0
PEACE RIVER	0	0	0	0	0	0	0	0	113	0
RED DEER	0	0	0	0	0	0	0	24	36	53
SOUTH PEACE	0	0	0	0	0	0	46	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	0	19	0	0	0	0	0	0
STURGEON	0	0	0	0	0	0	0	0	0	0
VEGREVILLE	0	0	0	0	0	0	0	59	0	0
WETOKA	0	0	0	0	0	0	0	56	0	0
ALBERTA	0	0	0	0	1	8	13	24	38	23

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	CIRRHOSIS					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	3	-3	10	15	0.47			
ALBERTA WEST CENTRAL	0	0	0	17	0.00			
ATHABASCA	8	-8	24	6	1.26			
BANFF NATIONAL PARK	0	0	0	18	0.00			
BARONS-EUREKA-WARNER	0	0	0	19	0.00			
BIG COUNTRY	0	0	0	20	0.00			
CALGARY	9	5	12	4	1.42			
CHINOOK	16	-2	34	1	2.52			
DRUMHELLER	15	-2	33	2	2.36			
EDMONTON	9	6	12	5	1.42			
FOOTHILLS	0	0	0	21	0.00			
FORT MCMURRAY	12	-12	36	3	1.89			
HIGH LEVEL-FORT VERTILICA	0	0	0	22	0.00			
JASPER NATIONAL PARK	0	0	0	23	0.00			
LEDUC-STRATHCONA	0	0	0	24	0.00			
LETHBRIDGE	8	-1	17	7	1.26			
MEDICINE HAT	2	-2	6	16	0.32			
MIDBURN-VERMILION	0	0	0	25	0.00			
MOUNT VERN	0	0	0	26	0.00			
NORTH EASTERN ALBERTA	5	-4	14	9	0.79			
PEACE RIVER	6	-5	16	8	0.95			
RED DEER	5	-1	11	10	0.79			
SOUTH PEACE	4	-4	12	11	0.63			
STONY PLAIN-LAC STE. ANNE	4	-4	11	12	0.63			
STURGEON	0	0	0	27	0.00			
VEGREVILLE	4	-4	13	13	0.63			
WETOKA	4	-4	12	14	0.63			
ALBERTA	6	5	8					

CIRRHOSIS, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LMA	1	0	0	0	0	0	0	0	0	0	1
ALBERTA EAST CENTRAL	1	0	0	0	0	0	0	0	0	0	1
ALBERTA WEST CENTRAL	1	0	0	0	0	0	0	0	0	0	1
ATKINSON	1	0	0	0	0	0	0	0	0	0	1
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARKER-EUREKA-HARNER	0	1	0	0	0	0	0	0	0	0	1
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	13	0	0	0	0	0	1	0	0	2	16
CHINOOK	0	0	0	0	0	0	0	0	1	1	2
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	0
EDMONTON	17	3	1	0	1	0	0	0	0	0	22
FOOTHILLS	1	0	0	0	0	0	0	0	0	0	1
FORT MCMURRAY	1	0	0	0	0	0	0	0	0	0	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	1	0	0	0	0	0	0	0	0	0	1
LEBUC-STATHCONA	1	0	0	0	0	0	0	0	0	0	1
LETHBRIDGE	1	0	0	1	0	0	0	0	0	0	2
MEDICINE HAT	0	1	0	0	0	0	1	0	0	0	2
MIDBURN-VERMILION	2	0	0	0	0	0	0	0	0	0	2
MOUNT VIEW	1	0	0	0	0	0	0	0	0	0	1
NORTH EASTERN ALBERTA	2	0	0	0	0	0	0	0	0	0	2
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	0
RED BEAR	3	0	0	0	0	0	0	0	1	1	5
SOUTH PEACE	2	0	0	0	0	0	0	0	0	0	2
STONY PLAIN-LAC STE. ANNE	4	0	0	0	0	0	0	0	0	0	4
STURGEON	1	0	0	0	0	0	0	0	0	0	1
VERMILION	0	1	0	0	0	0	0	0	0	0	1
WETOKA	0	0	0	0	1	0	0	0	0	0	1
ALBERTA	53	6	1	1	2	0	2	0	2	4	71

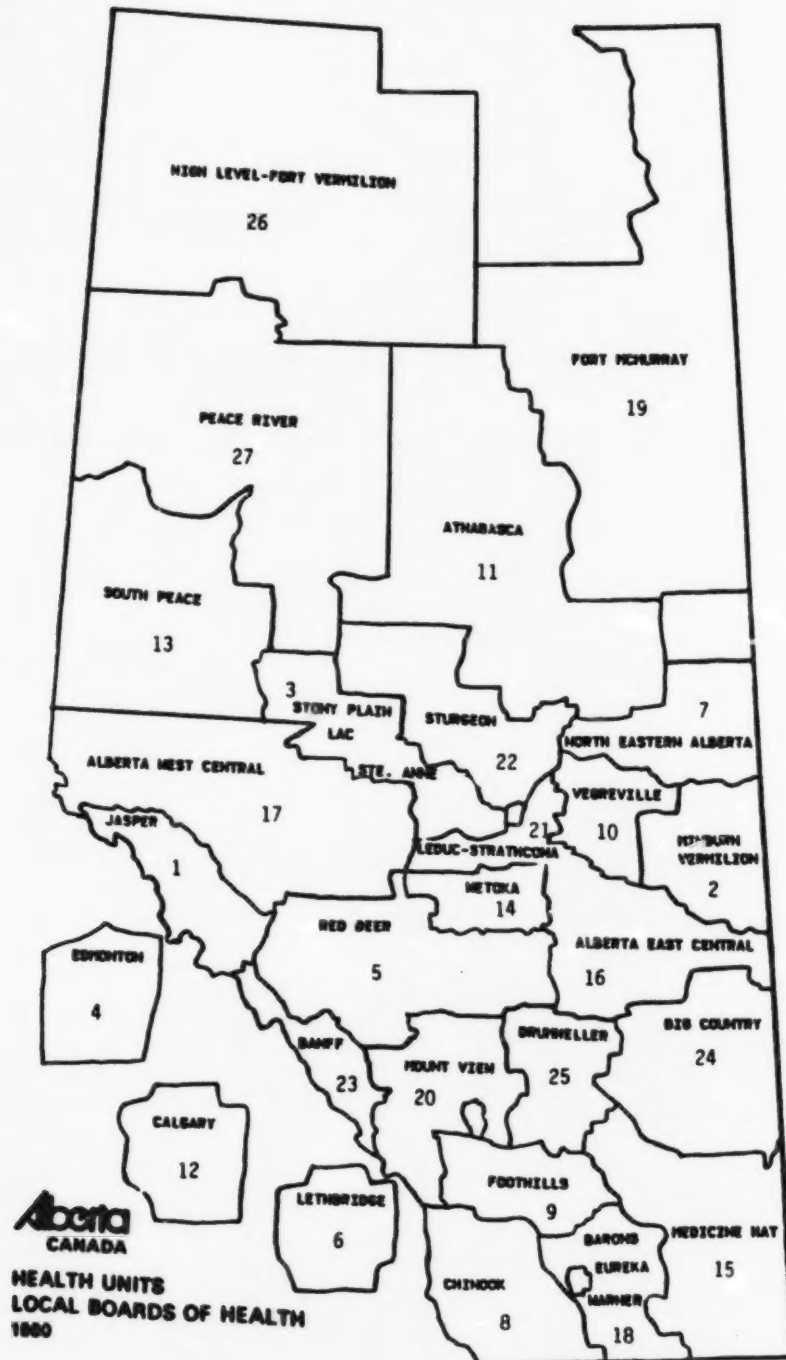
AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	CONGENITAL ANOMALY										
LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	
ALBERTA EAST CENTRAL	211	0	0	0	0	0	0	0	0	0	
ALBERTA WEST CENTRAL	242	0	0	0	0	0	0	0	0	0	
ATHABASCA	375	0	0	0	0	0	0	0	0	0	
BAUFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	
BARONS-EUREKA-WARNER	0	64	0	0	0	0	0	0	0	0	
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	
CALGARY	271	0	0	0	0	0	4	0	0	21	
CHINOOK	0	0	0	0	0	0	0	0	70	96	
DRUMHELLER	0	0	0	0	0	0	0	0	0	0	
EDMONTON	395	19	3	0	2	0	0	0	0	0	
FOOTHILLS	413	0	0	0	0	0	0	0	0	0	
FORT MCMURRAY	242	0	0	0	0	0	0	0	0	0	
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	0	
JASPER NATIONAL PARK	500	0	0	0	0	0	0	0	0	0	
LEDUC-STRAITHCONA	113	0	0	0	0	0	0	0	0	0	
LETHBRIDGE	230	0	0	16	0	0	0	0	0	0	
MEDICINE HAT	0	36	0	0	0	0	31	0	0	0	
MINDURN-VERMILION	671	0	0	0	0	0	0	0	0	0	
MOUNT VIEU	165	0	0	0	0	0	0	0	0	0	
NORTH EASTERN ALBERTA	477	0	0	0	0	0	0	0	0	0	
PEACE RIVER	0	0	0	0	0	0	0	0	0	0	
RED DEER	304	0	0	0	0	0	0	0	36	53	
SOUTH PEACE	345	0	0	0	0	0	0	0	0	0	
STONY PLAIN-LAC STE. ANNE	640	0	0	0	0	0	0	0	0	0	
STURGEON	119	0	0	0	0	0	0	0	0	0	
VEGREVILLE	0	104	0	0	0	0	0	0	0	0	
WETOKA	0	0	0	0	31	0	0	0	0	0	
ALBERTA	270	6	1	6	1	6	2	6	4	10	

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

CONGENITAL ANOMALY						
LHA	RATE	LOWER	UPPER	RANK	RATIO	SIG
ALBERTA EAST CENTRAL	4	-3	11	16	0.65	.
ALBERTA WEST CENTRAL	4	-4	12	17	0.65	.
ATHABASCA	6	-6	19	11	0.97	.
BANFF NATIONAL PARK	0	0	0	23	0.00	.
BARONS-EUREKA-WARNER	4	-4	13	18	0.65	.
BIG COUNTRY	0	0	0	24	0.00	.
CALGARY	6	3	8	12	0.97	.
CHINOOK	7	-3	16	8	1.13	.
DRUMHELLER	0	0	0	25	0.00	.
EDMONTON	9	5	12	4	1.46	.
FOOTHILLS	7	-7	21	9	1.13	.
FORT MCMURRAY	4	-4	12	19	0.65	.
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.
JASPER NATIONAL PARK	85	-82	252	1	13.77	.
LEDUC-STRAITHCONA	2	-2	6	21	0.32	.
LETHBRIDGE	8	-3	18	6	1.30	.
MEDICINE HAT	5	-2	13	15	0.81	.
MIDBURN-VERMILION	11	-4	27	2	1.78	.
MOUNT VIEW	3	-3	8	20	0.49	.
NORTH EASTERN ALBERTA	8	-3	19	7	1.30	.
PEACE RIVER	0	0	0	27	0.00	.
RED DEER	9	1	16	5	1.46	.
SOUTH PEACE	6	-2	14	13	0.97	.
STONY PLAIN-LAC STE. ANNE	11	0	22	3	1.78	.
STURGEON	2	-2	6	22	0.32	.
VEGREVILLE	7	-7	20	10	1.13	.
WETOKA	6	-6	18	14	0.97	.
ALBERTA	6	5	8			.

CONGENITAL ANOMALY, FEMALES, 1983



NUMBER OF DEATHS, 1963

FEMALES

MOTOR VEHICLE ACCIDENTS

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LHA	0	0	0	1	1	0	1	1	0	0	4
ALBERTA EAST CENTRAL	0	0	0	1	0	0	0	0	0	0	1
ALBERTA WEST CENTRAL	0	0	0	1	0	0	0	0	0	0	1
ATHABASCA	0	0	1	1	1	1	0	0	0	0	4
BANFF NATIONAL PARK	0	0	0	0	2	0	0	0	0	0	2
BARONS-EUREKA-HARNER	0	1	0	1	0	0	1	0	0	0	3
BIG COUNTRY	0	0	0	0	1	0	0	0	0	0	1
BIG COUNTRY	0	0	0	0	1	0	0	0	0	2	12
CALGARY	0	0	1	1	5	2	1	0	0	0	3
CHINOOK	0	0	0	1	0	2	0	0	0	0	3
DRUMHELLER	0	0	0	1	0	0	0	0	0	0	1
EDMONTON	0	0	1	5	1	4	0	2	1	2	16
EDMONTON	0	0	0	0	2	0	0	0	0	0	2
FOOTHILLS	0	0	0	0	0	1	0	0	0	0	2
FORT MCMURRAY	0	0	1	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERNILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	3	0	2	0	0	5
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	0	1	0	4
LETHBRIDGE	1	0	0	0	2	0	0	0	1	0	4
MEDICINE HAT	0	0	0	2	0	0	1	0	1	0	4
MIDBURN-VERMILION	0	0	0	2	1	0	0	0	0	1	4
MOUNT VERNILION	1	1	0	2	4	0	2	1	0	0	11
NORTH EASTERN ALBERTA	0	0	0	0	0	1	0	0	0	0	1
PEACE RIVER	0	0	0	1	1	0	0	0	0	1	3
PEACE RIVER	0	0	1	1	0	2	0	2	0	1	7
RED DEER	0	0	0	1	0	1	1	0	0	0	7
SOUTH PEACE	0	1	0	4	0	1	0	0	1	0	3
STONY PLAIN-LAC STE. ANNE	0	1	0	1	0	0	0	0	1	0	3
STURGEON	0	0	0	4	0	1	2	1	2	0	10
VERMILION	0	0	0	1	0	0	0	0	0	0	1
WETOKA	0	0	0	1	0	0	1	1	1	0	6
ALBERTA	2	4	5	31	23	18	10	10	7	7	117

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

LHA	MOTOR VEHICLE ACCIDENTS											75+
	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74			
ALBERTA EAST CENTRAL	0	0	0	22	24	0	36	35	0			0
ALBERTA WEST CENTRAL	0	0	0	27	0	0	0	0	0			0
ATHABASCA	0	0	34	39	45	63	0	0	0			0
BANFF NATIONAL PARK	0	0	0	0	331	0	0	0	0			0
BARONS-ELREKA-WARNER	0	64	0	30	0	0	56	0	0			0
BIG COUNTRY	0	0	0	0	108	0	0	0	0			0
CALGARY	0	0	2	2	7	5	4	0	0			21
CHINOOK	0	0	0	29	0	90	0	0	0			0
DRUMHELLER	0	0	0	39	0	0	0	0	0			0
EDMONTON	0	0	3	8	2	12	0	9	7			20
FOOTHILLS	0	0	0	0	70	0	0	0	0			0
FORT MCMURRAY	0	0	30	0	0	50	0	0	0			0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0			0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0			0
LEDUC-STRAITHCONA	0	0	0	0	0	38	0	60	0			0
LETHBRIDGE	230	0	0	0	40	0	0	0	44			0
MEDICINE HAT	0	0	0	28	0	0	31	0	42			0
MINSBURN-VERMILION	0	0	0	62	34	0	0	0	0			115
MOUNT VIEW	165	44	0	40	64	0	74	50	0			0
NORTH EASTERN ALBERTA	0	0	0	0	0	37	0	0	0			0
PEACE RIVER	0	0	0	27	30	0	0	0	0			157
RED DEER	0	0	12	9	0	30	0	46	0			53
SOUTH PEACE	0	41	0	69	0	30	46	0	0			0
STONY PLAIN-LAC STE. ANNE	0	36	0	19	0	0	0	0	100			0
STURGEON	0	0	0	55	0	15	53	39	116			0
VEGREVILLE	0	0	0	51	0	0	0	0	0			0
WETOKA	0	0	0	31	63	0	55	56	74			0
ALBERTA	10	0	3	14	10	13	10	12	12			18

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	MOTOR VEHICLE ACCIDENTS					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	15	0	30	11	1.47	.		
ALBERTA WEST CENTRAL	5	-5	16	23	0.49	.		
ATHABASCA	29	0	59	4	2.85	.		
BAFF NATIONAL PARK	66	-25	156	1	6.49	.		
BARONS-EUREKA-WARNER	15	-2	33	12	1.47	.		
BIG COUNTRY	21	-21	63	8	2.06	.		
CALGARY	4	2	6	25	0.39	.		
CHINOOK	17	-2	36	9	1.67	.		
DRUMHELLER	8	-7	23	21	0.79	.		
EDMONTON	6	3	8	22	0.59	.		
FOOTHILLS	14	-5	33	13	1.38	.		
FORT McMURRAY	11	-4	26	16	1.08	.		
HIGH LEVEL-FORT VERMILION	0	0	0	26	0.00	.		
JASPER NATIONAL PARK	0	0	0	27	0.00	.		
LEDUC-STRATHCONA	11	1	20	17	1.08	.		
LETHBRIDGE	14	0	28	14	1.38	.		
MEDICINE HAT	10	0	21	19	0.98	.		
MIDBURN-VERMILION	23	0	46	7	2.26	.		
MOUNT VIEW	36	15	58	2	3.54	YES		
NORTH EASTERN ALBERTA	5	-4	14	24	0.49	.		
PEACE RIVER	17	-2	36	10	1.67	.		
RED DEER	13	3	22	15	1.28	.		
SOUTH PEACE	24	6	42	6	2.36	.		
STONY PLAIN-LAC STE. ANNE	11	-2	24	18	1.08	.		
STURGEON	26	10	42	5	2.56	YES		
VEGREVILLE	10	-10	30	20	0.98	.		
WETOKA	31	6	57	3	3.05	.		
ALBERTA	10	8	12					

MOTOR VEHICLE ACCIDENTS, FEMALES, 1983



NUMBER OF DEATHS, 1983

FEMALES

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
LHA	0	0	0	0	0	0	1	0	2	0	3
ALBERTA EAST CENTRAL	0	0	0	0	1	1	0	0	0	0	2
ALBERTA WEST CENTRAL	0	0	0	0	1	0	1	0	0	0	2
ATHABASCA	0	0	0	0	0	0	0	0	0	0	1
BANFF NATIONAL PARK	0	0	0	1	0	0	0	0	0	0	0
BARONS-EUREKA-HARNER	0	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	3	5	10	3	4	1	0	26
CHINOOK	0	0	0	0	0	0	0	0	0	0	0
CHINDOK	0	0	0	0	0	0	0	0	0	0	1
DRUMHELLER	0	0	0	1	0	0	0	0	0	0	1
EDMONTON	0	0	0	4	9	7	10	1	0	2	33
FOOTHILLS	0	0	0	0	0	0	0	0	0	0	1
FORT MCMURRAY	0	0	0	0	0	0	0	1	0	0	1
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRATHCONA	0	0	0	1	1	0	1	0	0	0	3
LETHBRIDGE	0	0	0	0	0	1	0	0	1	0	2
MEDICINE HAT	0	0	0	0	0	0	0	0	0	0	0
MIDBURN-VERMILLION	0	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	1	0	0	0	0	1
NORTH EASTERN ALBERTA	0	0	0	0	0	0	1	1	0	1	3
PEACE RIVER	0	0	0	2	0	0	1	1	0	0	4
RED DEER	0	0	0	1	3	2	2	0	0	0	6
SOUTH PEACE	0	0	0	0	1	0	0	0	0	0	1
STONY PLAIN-LAC STE. ANNE	0	0	1	1	1	0	0	0	0	0	3
STURGEON	0	0	0	0	0	1	0	0	0	0	1
VEGREVILLE	0	0	1	0	0	0	0	0	0	0	1
METOKA	0	0	0	1	1	0	0	0	0	0	2
ALBERTA	0	0	2	15	23	23	20	9	4	3	99

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983

	SUICIDE									
	< 1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LHA	0	0	0	0	0	0	38	0	90	0
ALBERTA EAST CENTRAL	0	0	0	0	27	42	0	0	0	0
ALBERTA WEST CENTRAL	0	0	0	0	45	0	85	0	0	0
ATHABASCA	0	0	0	127	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARONS-EUREKA-HARNER	0	0	0	0	0	0	0	0	0	0
BIG COUNTRY	0	0	0	0	0	0	0	0	0	0
CALGARY	0	0	0	5	7	25	11	19	7	0
CHINOOK	0	0	0	0	0	0	0	0	0	0
DRUMHELLER	0	0	0	39	0	0	0	0	0	0
EDMONTON	0	0	0	6	16	21	38	5	0	20
FOOTHILLS	0	0	0	0	0	0	0	73	0	0
FORT MCMURRAY	0	0	0	0	0	0	0	0	0	0
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	493	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	13	9	0	26	0	0	0
LETHBRIDGE	0	0	0	0	0	31	0	0	44	0
MEDICINE HAT	0	0	0	0	0	0	0	0	0	0
MIDBURN-VERMILION	0	0	0	0	0	0	0	0	0	0
MOUNT VIEW	0	0	0	0	0	25	0	0	0	0
NORTH EASTERN ALBERTA	0	0	0	0	0	0	56	65	0	131
PEACE RIVER	0	0	0	54	0	0	59	77	0	0
RED DEER	0	0	0	9	29	30	44	0	0	0
SOUTH PEACE	0	0	0	0	18	0	0	0	0	0
STONY PLAIN-LAC STE. ANNE	0	0	17	19	15	0	0	0	0	0
STURGEON	0	0	0	0	0	15	0	0	0	0
VEGREVILLE	0	0	43	0	0	0	0	0	0	0
WETOKA	0	0	0	31	31	0	0	0	0	0
ALBERTA	0	0	1	7	10	16	20	11	7	8

AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	SUICIDE			RANK	RATIO	SIG
	RATE	LOWER	UPPER			
ALBERTA EAST CENTRAL	8	-1	17	11	0.93	.
ALBERTA WEST CENTRAL	11	-4	25	8	1.28	.
ATHABASCA	16	-6	39	4	1.86	.
BANFF NATIONAL PARK	25	-24	75	2	2.90	.
BARONS-EUREKA-WARNER	0	0	0	21	0.00	.
BIG COUNTRY	0	0	0	22	0.00	.
CALGARY	8	5	11	12	0.93	.
CHINOOK	0	0	0	23	0.00	.
DRUMHELLER	8	-7	23	13	0.93	.
EDMONTON	11	8	15	9	1.28	.
FOOTHILLS	5	-5	16	17	0.58	.
FORT MCMURRAY	0	0	0	24	0.00	.
HIGH LEVEL-FORT VERMILION	36	-35	107	1	4.18	.
JASPER NATIONAL PARK	0	0	0	25	0.00	.
LEDUC-STRAITHCONA	7	-1	14	14	0.81	.
LETHBRIDGE	6	-3	15	16	0.70	.
MEDICINE HAT	0	0	0	26	0.00	.
MIMBURN-VERMILION	0	0	0	27	0.00	.
MOUNT VIEW	3	-3	9	19	0.35	.
NORTH EASTERN ALBERTA	14	-2	30	6	1.63	.
PEACE RIVER	21	0	42	3	2.44	.
RED DEER	15	5	26	5	1.74	.
SOUTH PEACE	4	-3	10	18	0.46	.
STONY PLAIN-LAC STE. ANNE	9	-1	20	10	1.05	.
STURGEON	2	-2	6	20	0.23	.
VEGREVILLE	7	-6	19	15	0.81	.
WETOKA	12	-5	29	7	1.39	.
ALBERTA	9	7	10			

SUICIDE, FEMALES, 1983



NUMBER OF DEATHS, 1983
FEMALES

LHA	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+	TOTAL
ALBERTA EAST CENTRAL	0	0	0	0	0	0	1	3	1	3	8
ALBERTA WEST CENTRAL	0	0	0	0	0	0	1	0	2	0	3
ATHABASCA	0	0	0	0	0	0	0	1	0	1	2
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
BARDON-EUREKA-WARDER	0	0	0	0	1	0	1	0	0	1	3
BIG COUNTRY	0	0	0	0	0	0	1	0	0	0	1
CALGARY	0	0	0	0	2	4	9	19	12	9	55
CROWFOOT	0	0	0	0	0	1	0	4	2	0	7
DRUMHELLER	0	0	0	0	0	0	0	2	1	1	4
EDMONTON	0	0	0	0	2	7	13	15	14	13	64
FOOTHILLS	0	0	0	0	0	1	3	0	2	2	8
FORT MCMURRAY	0	0	0	0	0	0	0	1	0	0	1
HIGH LEVEL-FORT VERMILION	0	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCOMA	0	0	0	0	0	0	1	1	1	0	3
LETHBRIDGE	0	0	0	0	1	1	1	0	3	1	7
MEDICINE HAT	0	0	0	0	0	2	4	4	7	4	21
KIDDERN-VERMILION	0	0	0	0	0	0	0	2	3	1	6
MOUNT VERNON	0	0	0	0	0	1	5	1	1	1	9
NORTH EASTERN ALBERTA	0	0	0	0	0	2	0	3	1	0	6
PEACE RIVER	0	0	0	0	1	0	2	1	2	1	7
RED DEER	0	0	0	0	1	0	5	3	3	2	14
SOUTH PEACE	0	0	0	0	0	0	1	2	0	1	4
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	1	0	3	1	0	5
STURGEON	0	0	0	0	2	1	3	1	1	0	8
VERMILION	0	0	0	0	0	0	0	0	0	2	2
WETOKA	0	0	0	0	0	0	1	3	1	1	6
ALBERTA	0	0	0	0	10	21	52	69	58	44	254

AGE-SPECIFIC DEATH RATES (PER 100,000 FEMALES), 1983
BREAST CANCER

	<1	1-4	5-14	15-24	25-34	35-44	45-54	55-64	65-74	75+
LMA	0	0	0	0	0	0	36	106	45	106
ALBERTA EAST CENTRAL	0	0	0	0	0	0	60	0	345	0
ALBERTA WEST CENTRAL	0	0	0	0	0	0	0	105	0	235
ATHABASCA	0	0	0	0	0	0	0	0	0	0
BANFF NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
BARTON-BUREKA-WARNER	0	0	0	0	32	0	58	0	0	135
BIG COUNTRY	0	0	0	0	0	0	170	0	0	0
CALEARY	0	0	0	0	3	10	32	90	89	93
CHINOOK	0	0	0	0	0	45	0	206	140	0
DRUMHELLER	0	0	0	0	0	0	0	127	91	140
EDMONTON	0	0	0	0	4	21	50	69	96	130
FOOTHILLS	0	0	0	0	0	47	207	0	200	299
FORT MCMURRAY	0	0	0	0	0	0	0	293	0	0
HIGH LEVEL-FORT VERRILLION	0	0	0	0	0	0	0	0	0	0
JASPER NATIONAL PARK	0	0	0	0	0	0	0	0	0	0
LEDUC-STRAITHCONA	0	0	0	0	0	0	0	0	0	0
LETHBRIDGE	0	0	0	0	0	0	26	40	71	0
MEDICINE HAT	0	0	0	0	20	31	37	0	131	59
MINDURN-VERMILION	0	0	0	0	0	47	125	117	294	254
MOUNT VERN	0	0	0	0	0	0	0	129	250	115
NORTH EASTERN ALBERTA	0	0	0	0	0	25	165	50	72	130
PEACE RIVER	0	0	0	0	0	75	0	196	96	0
RED DEER	0	0	0	0	30	0	116	77	226	157
SOUTH PEACE	0	0	0	0	10	0	110	72	107	106
STONY PLAIN-LAC STE. ANNE	0	0	0	0	0	0	46	118	0	133
STURGEON	0	0	0	0	21	15	80	174	100	0
VEGREVILLE	0	0	0	0	0	0	0	39	58	0
WETOKA	0	0	0	0	0	0	0	0	0	199
ALBERTA	0	0	0	0	4	15	55	167	74	112
	0	0	0	0	0	0	51	82	103	112

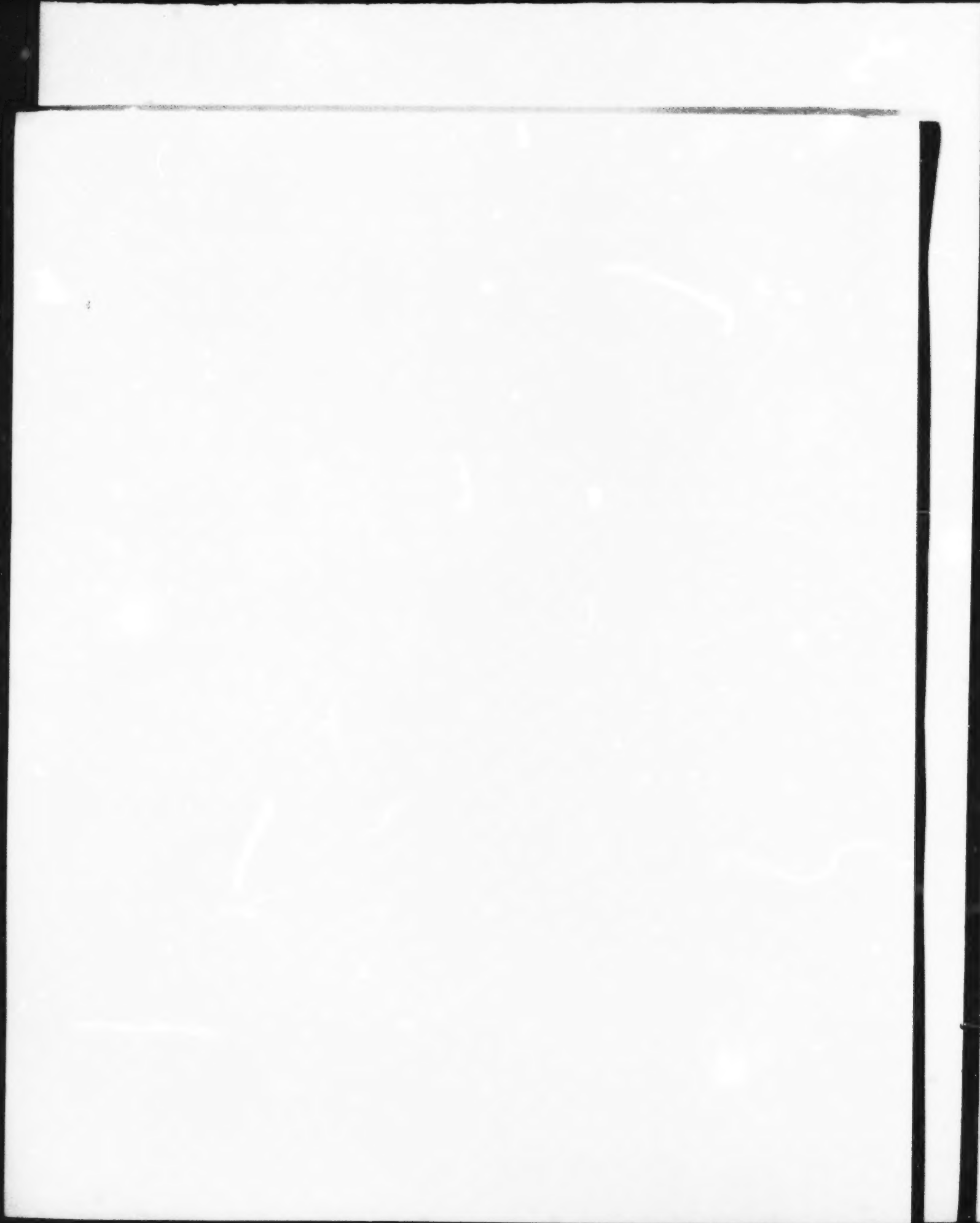
AGE-STANDARDIZED DEATH RATES (PER 100,000 FEMALES), 1963

LHA	BREAST CANCER					RANK	RATIO	SIG
	RATE	LOWER	UPPER					
ALBERTA EAST CENTRAL	20	6	34	14	0.91			.
ALBERTA WEST CENTRAL	23	-3	49	10	1.04			.
ATHABASCA	16	-6	38	20	0.72			.
BANFF NATIONAL PARK	0	0	0	25	0.00			.
BARONS-EUREKA-WARNER	16	-2	35	21	0.72			.
BIG COUNTRY	15	-14	44	22	0.68			.
CALGARY	19	14	24	15	0.86			.
CHINOOK	28	7	40	5	1.27			.
DRUMHELLER	19	0	37	16	0.86			.
EDMONTON	22	17	27	11	1.00			.
FOOTHILLS	44	13	75	2	1.99			.
FORT MCMURRAY	22	-21	64	12	1.00			.
HIGH LEVEL-FORT VERRILLION	0	0	0	26	0.00			.
JASPER NATIONAL PARK	0	0	0	27	0.00			.
LEDUC-STRAITHCONA	9	-1	19	23	0.41			.
LETHBRIDGE	19	4	34	17	0.86			.
MEDICINE HAT	49	28	70	1	2.22			YES
MIDBURN-VERMILION	26	5	46	7	1.16			.
MOUNT VERN	31	11	52	4	1.40			.
NORTH EASTERN ALBERTA	28	6	51	6	1.27			.
PEACE RIVER	38	10	67	3	1.72			.
RED DEER	26	12	39	8	1.16			.
SOUTH PEACE	17	0	34	19	0.77			.
STONY PLAIN-LAC STE. ANNE	21	2	39	13	0.95			.
STURGEON	19	6	32	18	0.86			.
VERMILION	7	-3	16	24	0.32			.
WETONA	25	5	44	9	1.13			.
ALBERTA	22	19	25					.

BREAST CANCER, FEMALES, 1983



APPENDICES



APPENDIX A

In this appendix the method of LHA population projection used in the report is described. The statistics needed consist of: the 1981 LHA census enumerations, the 1981 Alberta enumeration, and the 1983 Alberta post-censal estimates. All of these statistics are available directly or indirectly (through Alberta Bureau of Statistics) from Statistics Canada.

The method of projection simply scales the 1981 population of each LHA, by age group and by sex, according to a factor which relates the 1981 population of Alberta to that of 1983.

For a given sex, let $n_{ij}(81)$ equal the number of individuals in the i^{th} age group of the j^{th} LHA in 1981, and let $N_i(81)$ equal the number of individuals in the i^{th} age group in Alberta as a whole in 1981. For chapter 1 there are eight age groups, and for chapters 2 and 3 there are ten. The corresponding numbers for 1983 are $n_{ij}(83)$ and $N_i(83)$. The problem is to estimate $n_{ij}(83)$ from $n_{ij}(81)$, $N_i(81)$ and $N_i(83)$. Define

$$f_i(81, 83) = \frac{N_i(83)}{N_i(81)} .$$

Then $f_i(81, 83)$ scales the 1981 Alberta population in the i^{th} age group to that of 1983 in the sense that $f_i(81, 83) N_i(81) = N_i(83)$. The projected estimate of $n_{ij}(83)$ is then defined by

$$n_{ij}(83) = f_i(81, 83) n_{ij}(81).$$

Note that the same factor $f_i(81, 83)$ is used for the i^{th} age group for all LHAs, and so the assumption has been made that there has been a uniform rate of growth (or decline) common to all LHAs.

APPENDIX B

In this section the standardization methods and statistical techniques used in the report are described. The discussion applies to both live birth rates and death rates. For concreteness the discussion will be phrased in terms of death rates.

As in Appendix A, let n_{ij} equal the number of individuals in the i^{th} age group of the j^{th} LHA (for a given sex and year), and let d_{ij} be the corresponding number of deaths (for a given cause). Summing n_{ij} and d_{ij} over the index j (that is, over all LHAs) results in the number of individuals and deaths in the i^{th} age group in Alberta as a whole, denoted by N_i and d_i , respectively. The total number of Albertans and the total number of deaths is obtained by summing N_i and d_i over the index i , and will be denoted by N and d , respectively.

The death rate for the i^{th} age group and j^{th} LHA is defined by

$$r_{ij} = \frac{d_{ij}}{n_{ij}},$$

and the corresponding rate for Alberta defined by

$$R_i = \frac{d_i}{N_i}.$$

The standard error of r_{ij} may be estimated⁶ by

$$SE(r_{ij}) = \frac{d_{ij}^{\frac{1}{2}}}{n_{ij}} ,$$

and a 95% confidence interval constructed from

$$r_{ij} \pm 1.96 SE(r_{ij}) .$$

Formulas are similarly defined for R_i .

The age-standardized death rate for the j^{th} LHA, standardized to the Alberta population, is defined by

$$sdr_j = \sum_i w_i r_{ij} ,$$

where

$$w_i = \frac{N_i}{N} .$$

Consequently sdr_j is a weighted average of age-specific death rates for the j^{th} LHA, where the weights w_i are determined by the Alberta age distribution.

⁶ Chiang, C.L. 1984. The Life Table and Its Applications. Malabar: Krieger.

The standard error of sdr_j is defined by

$$SE(sdr_j) = \left\{ \sum_i w_i [SE(r_{ij})]^2 \right\}^{\frac{1}{2}} .$$

Since age-standardization is according to the Alberta population, the age-standardized death rate for Alberta, given by

$$SDR = \sum_i w_i R_i ,$$

simplifies to

$$SDR = \frac{D}{N} ,$$

which is usually referred to as the crude death rate. From an earlier formula,

$$SE(SDR) = \frac{D^{\frac{1}{2}}}{N} .$$

A test of the hypothesis that the standardized rate for the j^{th} LHA differs from the Alberta rate may be based on the Z - statistic

$$Z = \frac{sdr_j - SDR}{\{ SE(sdr_j)^2 + SE(SDR)^2 \}^{\frac{1}{2}}} .$$

For the (one-sided) hypothesis that sdr_j is greater than SDR, the test is significant (at the 5% level) if

$$Z \geq 1.64 .$$